

Package ‘UScensus2000cdp’

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Type Package

Title US Census 2000 Designated Places Shapefiles and Additional Demographic Data

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Description US Census 2000 Designated Places shapefiles and additional demographic data from the SF1 100 percent files. This data set contains polygon files in lat/lon coordinates and the corresponding demographic data for a number of different variables.

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Depends R (>= 2.10), maptools, sp, foreign, methods, grDevices, base,stats, utils

LazyLoad yes

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alabama.cdp	3
alaska.cdp	7
arizona.cdp	10
arkansas.cdp	14
california.cdp	18
colorado.cdp	22
connecticut.cdp	26

delaware.cdp	30
district_of_columbia.cdp	34
florida.cdp	37
georgia.cdp	41
hawaii.cdp	45
idaho.cdp	49
illinois.cdp	53
indiana.cdp	57
iowa.cdp	61
kansas.cdp	65
kentucky.cdp	69
louisiana.cdp	73
maine.cdp	77
maryland.cdp	81
massachusetts.cdp	85
michigan.cdp	89
minnesota.cdp	93
mississippi.cdp	97
missouri.cdp	101
montana.cdp	105
nebraska.cdp	109
nevada.cdp	113
new_hampshire.cdp	117
new_jersey.cdp	121
new_mexico.cdp	125
new_york.cdp	129
north_carolina.cdp	133
north_dakota.cdp	137
ohio.cdp	141
oklahoma.cdp	145
oregon.cdp	149
pennsylvania.cdp	153
rhode_island.cdp	157
south_carolina.cdp	161
south_dakota.cdp	165
tennessee.cdp	169
texas.cdp	173
utah.cdp	177
vermont.cdp	181
virginia.cdp	185
washington.cdp	189
west_virginia.cdp	193
wisconsin.cdp	197
wyoming.cdp	201

alabama.cdp

*alabama.cdp***Description**

alabama.cdp is a `SpatialPolygonsDataFrame` with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(alabama.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone
(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino

(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household
(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household

(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```
data(alabama.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
```

```

col.heat<-y
}
dem.col<-cbind(col.heat,names(table(dem.num)))
colors.dem<-vector(length=l.poly)
for(i in 1:l.uc){
colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
}
out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(alabama.cdp,alabama.cdp$pop2000)
plot(alabama.cdp,col=colors.use$colors)
#text(coordinates(alabama.cdp),alabama.cdp$name,cex=.3)
title(main="Census Designated Places \n of Alabama, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(alabama.cdp)

map('state',region='alabama')
plotvar <- alabama.cdp$pop2000
nclr <- 4
#BuPu
plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(alabama.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Alabama, 2000", sub="Quantiles (equal frequency)")
map.text("county", "alabama",cex=.7,add=TRUE)
map('county','alabama',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

alaska.cdp

*alaska.cdp***Description**

alaska.cdp is a `SpatialPolygonsDataFrame` with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(alaska.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
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(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
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(P017001)	ave.hh.sz	average household size
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(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```
data(alaska.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem,na.rm=TRUE)),dig.lab = 6)
  dem.num[which(is.na(dem.num))==TRUE]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
```

```

col.heat<-y
}
dem.col<-cbind(col.heat,names(table(dem.num)))
colors.dem<-vector(length=l.poly)
for(i in 1:l.uc){
colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
}
out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(alaska.cdp,alaska.cdp$pop2000)
plot(alaska.cdp,col=colors.use$colors,ylim=c(51.78495, 71.33953),xlim=c(-176.81043, -130.0427))
#text(coordinates(alaska.cdp),alaska.cdp$name,cex=.3)
title(main="Census Designated Places \n of Alaska, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(alaska.cdp)

plotvar <- alaska.cdp$pop2000
nclr <- 4
#BuPu
plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(alaska.cdp, col=colcode, border="transparent",ylim=c(51.78495, 71.33953),xlim=c(-176.81043, -130.0427))
#transparent
title(main="Census Designated Places\n of Alaska, 2000", sub="Quantiles (equal frequency)")
legend("bottomright", "(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

Description

arizona.cdp is a `SpatialPolygonsDataFrame` with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(arizona.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone
(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone

(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household
(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household

(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```
data(arizona.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
```

```

colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
}
out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(arkansas.cdp,arkansas.cdp$pop2000)
plot(arkansas.cdp,col=colors.use$colors)
#text(coordinates(arkansas.cdp),arkansas.cdp$name,cex=.3)
title(main="Census Designated Places \n of Arizona, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",bg="white")

#####
### Alternative way to do the above
#####
## Not run:
###This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
###This example requires the following additional libraries

data(arkansas.cdp)

map('state',region='arkansas')
plotvar <- arkansas.cdp$pop2000
nclr <- 4
#BuPu
plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(arkansas.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Arizona, 2000", sub="Quantiles (equal frequency)")
map.text("county", "arkansas",cex=.7,add=TRUE)
map('county','arkansas',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

Description

arkansas.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(arkansas.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone
(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone

(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own
(P018015)	fhh.child	family households, other family, female householder, no husband present,
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household
(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household

(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```
data(arkansas.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
```

```

colors.dem[which(dem.num==dem.col[i,2])<-dem.col[i,1]
}
out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(arkansas.cdp,arkansas.cdp$pop2000)
plot(arkansas.cdp,col=colors.use$colors)
#text(coordinates(arkansas.cdp),arkansas.cdp$name,cex=.3)
title(main="Census Designated Places \n of Arkansas, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",bg

#####
### Alternative way to do the above
#####
## Not run:
###This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
###This example requires the following additional libraries

data(arkansas.cdp)

map('state',region='arkansas')
plotvar <- arkansas.cdp$pop2000
nclr <- 4
#BuPu
plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(arkansas.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Arkansas, 2000", sub="Quantiles (equal frequency)")
map.text("county", "arkansas",cex=.7,add=TRUE)
map('county','arkansas',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

Description

california.cdp is a `SpatialPolygonsDataFrame` with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(california.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone
(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone

(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household
(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household

(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```
data(california.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
```

```

colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
}
out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(california.cdp,california.cdp$pop2000)
plot(california.cdp,col=colors.use$colors)
#text(coordinates(california.cdp),california.cdp$name,cex=.3)
title(main="Census Designated Places \n of California, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",bg="white")

#####
### Alternative way to do the above
#####
## Not run:
###This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
###This example requires the following additional libraries

data(california.cdp)

map('state',region='california')
plotvar <- california.cdp$pop2000
nclr <- 4
#BuPu
plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(california.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of California, 2000", sub="Quantiles (equal frequency)")
map.text("county", "california",cex=.7,add=TRUE)
map('county','california',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

Description

colorado.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(colorado.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone
(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone

(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household
(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household

(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```
data(colorado.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
```

```

colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
}
out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(colorado.cdp,colorado.cdp$pop2000)
plot(colorado.cdp,col=colors.use$colors)
#text(coordinates(colorado.cdp),colorado.cdp$name,cex=.3)
title(main="Census Designated Places \n of Colorado, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",bg="white")

#####
### Alternative way to do the above
#####
## Not run:
###This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
###This example requires the following additional libraries

data(colorado.cdp)

map('state',region='colorado')
plotvar <- colorado.cdp$pop2000
nclr <- 4
#BuPu
plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(colorado.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Colorado, 2000", sub="Quantiles (equal frequency)")
map.text("county", "colorado",cex=.7,add=TRUE)
map('county','colorado',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

Description

connecticut.cdp is a `SpatialPolygonsDataFrame` with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(connecticut.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone
(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone

(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household
(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household

(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```
data(connecticut.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
```

```

colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
}
out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(connecticut.cdp,connecticut.cdp$pop2000)
plot(connecticut.cdp,col=colors.use$colors)
#text(coordinates(connecticut.cdp),connecticut.cdp$name,cex=.3)
title(main="Census Designated Places \n of Connecticut, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",bg

#####
### Alternative way to do the above
#####
## Not run:
###This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
###This example requires the following additional libraries

data(connecticut.cdp)

map('state',region='connecticut')
plotvar <- connecticut.cdp$pop2000
nclr <- 4
#BuPu
plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(connecticut.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Connecticut, 2000", sub="Quantiles (equal frequency)")
map.text("county", "connecticut",cex=.7,add=TRUE)
map('county','connecticut',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

Description

delaware.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(delaware.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone
(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone

(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own
(P018015)	fhh.child	family households, other family, female householder, no husband present,
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household
(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household

(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```
data(delaware.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
```

```

colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
}
out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(delaware.cdp,delaware.cdp$pop2000)
plot(delaware.cdp,col=colors.use$colors)
#text(coordinates(delaware.cdp),delaware.cdp$name,cex=.3)
title(main="Census Designated Places \n of Delaware, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",bg="white")

#####
### Alternative way to do the above
#####
## Not run:
###This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
###This example requires the following additional libraries

data(delaware.cdp)

map('state',region='delaware')
plotvar <- delaware.cdp$pop2000
nclr <- 4
#BuPu
plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(delaware.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Delaware, 2000", sub="Quantiles (equal frequency)")
map.text("county", "delaware",cex=.7,add=TRUE)
map('county','delaware',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

Description

district_of_columbia.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(district_of_columbia.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone
(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone

(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own
(P018015)	fhh.child	family households, other family, female householder, no husband present,
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household
(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household

(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```
data(district_of_columbia.cdp)

plot(district_of_columbia.cdp,col="yellow")
#text(coordinates(district_of_columbia.cdp),district_of_columbia.cdp$name,cex=.3)
title(main="Census Designated Places \n of District_of_columbia, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=district_of_columbia.cdp$pop2000,fill="yellow",bty="o",title="Population Count",bg
```

florida.cdp

florida.cdp

Description

florida.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(florida.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone
(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs

(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household
(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household

(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state 1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```
data(florida.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}

#####
## Helper function for handling coloring of the map
#####
```



```

colors.use<-color.map(florida.cdp,florida.cdp$pop2000)
plot(florida.cdp,col=colors.use$colors)
#text(coordinates(florida.cdp),florida.cdp$name,cex=.3)
title(main="Census Designated Places \n of Florida, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(florida.cdp)

map('state',region='florida')
plotvar <- florida.cdp$pop2000
nclr <- 4
#BuPu
plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(florida.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Florida, 2000", sub="Quantiles (equal frequency)")
map.text("county", "florida",cex=.7,add=TRUE)
map('county','florida',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

georgia.cdp

georgia.cdp

Description

georgia.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(georgia.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone
(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes

(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household
(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household

(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```
data(georgia.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(georgia.cdp,georgia.cdp$pop2000)
plot(georgia.cdp,col=colors.use$colors)
#text(coordinates(georgia.cdp),georgia.cdp$name,cex=.3)
title(main="Census Designated Places \n of Georgia, 2000", sub="Quantiles (equal frequency)")
```

```

legend("bottomright", legend=colors.use$dem.cut, fill=colors.use$table.colors, bty="o", title="Population Count", b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(georgia.cdp)

map('state', region='georgia')
plotvar <- georgia.cdp$pop2000
nclr <- 4
#BuPu
plotclr <- brewer.pal(nclr, "BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(georgia.cdp, col=colcode, border="transparent", add=TRUE)
#transparent
title(main="Census Designated Places\n of Georgia, 2000", sub="Quantiles (equal frequency)")
map.text("county", "georgia", cex=.7, add=TRUE)
map('county', 'georgia', add=TRUE)
legend("bottomright", "(x,y)", legend=names(attr(colcode, "table")), fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count", bg="white")

## End(Not run)

```

hawaii.cdp

hawaii.cdp

Description

hawaii.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(hawaii.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone
(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes

(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ ow
(P018015)	fhh.child	family households, other family, female householder, no husband present,
(H001001)	hh.units	housng units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household
(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household

(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```
data(hawaii.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem,na.rm=TRUE)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(hawaii.cdp,hawaii.cdp$pop2000)
plot(hawaii.cdp,col=colors.use$colors)
#text(coordinates(hawaii.cdp),hawaii.cdp$name,cex=.3)
title(main="Census Designated Places \n of Hawaii, 2000", sub="Quantiles (equal frequency)")
```



```

legend("bottomright", legend=colors.use$dem.cut, fill=colors.use$table.colors, bty="o", title="Population Count", bg="white")

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(hawaii.cdp)

plotvar <- hawaii.cdp$pop2000
nclr <- 4
#BuPu
plotclr <- brewer.pal(nclr, "BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(hawaii.cdp, col=colcode, border="transparent")
#transparent
title(main="Census Designated Places\n of Hawaii, 2000", sub="Quantiles (equal frequency)")
legend("bottomright", "(x,y)", legend=names(attr(colcode, "table")), fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count", bg="white")

## End(Not run)

```

idaho.cdp

idaho.cdp

Description

idaho.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(idaho.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone
(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size

(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ ow
(P018015)	fhh.child	family households, other family, female householder, no husband present,
(H001001)	hh.units	housng units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household
(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```
data(idaho.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(idaho.cdp,idaho.cdp$pop2000)
plot(idaho.cdp,col=colors.use$colors)
#text(coordinates(idaho.cdp),idaho.cdp$name,cex=.3)
title(main="Census Designated Places \n of Idaho, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",bty="n")

#####
```

```

### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(idaho.cdp)

map('state',region='idaho')
plotvar <- idaho.cdp$pop2000
nclr <- 4
#BuPu
plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(idaho.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Idaho, 2000", sub="Quantiles (equal frequency)")
map.text("county", "idaho",cex=.7,add=TRUE)
map('county', 'idaho',add=TRUE)
legend("bottomright", "(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

illinois.cdp

illinois.cdp

Description

illinois.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(illinois.cdp)
```

Details

ID Variables

data field name	Full Description
-----------------	------------------

place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone
(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hshld.1.m	1-person household, male householder

(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own
(P018015)	fhh.child	family households, other family, female householder, no husband present,
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household
(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```
data(illinois.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(illinois.cdp,illinois.cdp$pop2000)
plot(illinois.cdp,col=colors.use$colors)
#text(coordinates(illinois.cdp),illinois.cdp$name,cex=.3)
title(main="Census Designated Places \n of Illinois, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",bg

#####
### Alternative way to do the above
#####
## Not run:
```



```
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(illinois.cdp)

map('state',region='illinois')
plotvar <- illinois.cdp$pop2000
nclr <- 4
#BuPu
plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(illinois.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Illinois, 2000", sub="Quantiles (equal frequency)")
map.text("county", "illinois",cex=.7,add=TRUE)
map('county', 'illinois',add=TRUE)
legend("bottomright", "(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)
```

indiana.cdp

indiana.cdp

Description

indiana.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(indiana.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone
(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total

(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household
(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```
data(indiana.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(indiana.cdp,indiana.cdp$pop2000)
plot(indiana.cdp,col=colors.use$colors)
#text(coordinates(indiana.cdp),indiana.cdp$name,cex=.3)
title(main="Census Designated Places \n of Indiana, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",bg

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries
```

```

data(indiana.cdp)

map('state',region='indiana')
plotvar <- indiana.cdp$pop2000
nclr <- 4
#BuPu
plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(indiana.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Indiana, 2000", sub="Quantiles (equal frequency)")
map.text("county", "indiana",cex=.7,add=TRUE)
map('county','indiana',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

iowa.cdp

iowa.cdp

Description

iowa.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(iowa.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone
(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units

(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household
(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>

<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```
data(iowa.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(iowa.cdp,iowa.cdp$pop2000)
plot(iowa.cdp,col=colors.use$colors)
#text(coordinates(iowa.cdp),iowa.cdp$name,cex=.3)
title(main="Census Designated Places \n of Iowa, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(iowa.cdp)
```



```

map('state',region='iowa')
plotvar <- iowa.cdp$pop2000
nclr <- 4
#BuPu
plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(iowa.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Iowa, 2000", sub="Quantiles (equal frequency)")
map.text("county", "iowa",cex=.7,add=TRUE)
map('county','iowa',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

kansas.cdp

kansas.cdp

Description

kansas.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(kansas.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000

(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone
(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units

(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household
(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state 1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>

<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(kansas.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(kansas.cdp,kansas.cdp$pop2000)
plot(kansas.cdp,col=colors.use$colors)
#text(coordinates(kansas.cdp),kansas.cdp$name,cex=.3)
title(main="Census Designated Places \n of Kansas, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",bg

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(kansas.cdp)

map('state',region='kansas')
```

```

plotvar <- kansas.cdp$pop2000
nclr <- 4
#BuPu
plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(kansas.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Kansas, 2000", sub="Quantiles (equal frequency)")
map.text("county", "kansas",cex=.7,add=TRUE)
map('county','kansas',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

kentucky.cdp

kentucky.cdp

Description

kentucky.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(kentucky.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone

(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone
(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units

(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household
(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(kentucky.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(kentucky.cdp,kentucky.cdp$pop2000)
plot(kentucky.cdp,col=colors.use$colors)
#text(coordinates(kentucky.cdp),kentucky.cdp$name,cex=.3)
title(main="Census Designated Places \n of Kentucky, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",bg

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(kentucky.cdp)

map('state',region='kentucky')
plotvar <- kentucky.cdp$pop2000
nclr <- 4
#BuPu

```



```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(kentucky.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Kentucky, 2000", sub="Quantiles (equal frequency)")
map.text("county", "kentucky",cex=.7,add=TRUE)
map('county', 'kentucky',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

louisiana.cdp

*louisiana.cdp***Description**

louisiana.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(louisiana.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state 1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(louisiana.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(louisiana.cdp,louisiana.cdp$pop2000)
plot(louisiana.cdp,col=colors.use$colors)
#text(coordinates(louisiana.cdp),louisiana.cdp$name,cex=.3)
title(main="Census Designated Places \n of Louisiana, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(louisiana.cdp)

map('state',region='louisiana')
plotvar <- louisiana.cdp$pop2000
nclr <- 4
#BuPu

```

```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(louisiana.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Louisiana, 2000", sub="Quantiles (equal frequency)")
map.text("county", "louisiana",cex=.7,add=TRUE)
map('county', 'louisiana',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

maine.cdp

maine.cdp

Description

maine.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(maine.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state 1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(maine.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(maine.cdp,maine.cdp$pop2000)
plot(maine.cdp,col=colors.use$colors)
#text(coordinates(maine.cdp),maine.cdp$name,cex=.3)
title(main="Census Designated Places \n of Maine, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(maine.cdp)

map('state',region='maine')
plotvar <- maine.cdp$pop2000
nclr <- 4
#BuPu

```



```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(maine.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Maine, 2000", sub="Quantiles (equal frequency)")
map.text("county", "maine",cex=.7,add=TRUE)
map('county', 'maine',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

maryland.cdp

*maryland.cdp***Description**

maryland.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(maryland.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(maryland.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(maryland.cdp,maryland.cdp$pop2000)
plot(maryland.cdp,col=colors.use$colors)
#text(coordinates(maryland.cdp),maryland.cdp$name,cex=.3)
title(main="Census Designated Places \n of Maryland, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",bg

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(maryland.cdp)

map('state',region='maryland')
plotvar <- maryland.cdp$pop2000
nclr <- 4
#BuPu

```

```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(maryland.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Maryland, 2000", sub="Quantiles (equal frequency)")
map.text("county", "maryland",cex=.7,add=TRUE)
map('county', 'maryland',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

massachusetts.cdp *massachusetts.cdp*

Description

massachusetts.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(massachusetts.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(massachusetts.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(massachusetts.cdp,massachusetts.cdp$pop2000)
plot(massachusetts.cdp,col=colors.use$colors)
#text(coordinates(massachusetts.cdp),massachusetts.cdp$name,cex=.3)
title(main="Census Designated Places \n of Massachusetts, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(massachusetts.cdp)

map('state',region='massachusetts')
plotvar <- massachusetts.cdp$pop2000
nclr <- 4
#BuPu

```



```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(massachusetts.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Massachusetts, 2000", sub="Quantiles (equal frequency)")
map.text("county", "massachusetts",cex=.7,add=TRUE)
map('county', 'massachusetts',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

michigan.cdp

michigan.cdp

Description

michigan.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(michigan.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(michigan.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(michigan.cdp,michigan.cdp$pop2000)
plot(michigan.cdp,col=colors.use$colors)
#text(coordinates(michigan.cdp),michigan.cdp$name,cex=.3)
title(main="Census Designated Places \n of Michigan, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(michigan.cdp)

map('state',region='michigan')
plotvar <- michigan.cdp$pop2000
nclr <- 4
#BuPu

```

```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(michigan.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Michigan, 2000", sub="Quantiles (equal frequency)")
map.text("county", "michigan",cex=.7,add=TRUE)
map('county', 'michigan',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

minnesota.cdp

minnesota.cdp

Description

minnesota.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(minnesota.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state 1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(minnesota.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(minnesota.cdp,minnesota.cdp$pop2000)
plot(minnesota.cdp,col=colors.use$colors)
#text(coordinates(minnesota.cdp),minnesota.cdp$name,cex=.3)
title(main="Census Designated Places \n of Minnesota, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(minnesota.cdp)

map('state',region='minnesota')
plotvar <- minnesota.cdp$pop2000
nclr <- 4
#BuPu

```



```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(minnesota.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Minnesota, 2000", sub="Quantiles (equal frequency)")
map.text("county", "minnesota", cex=.7,add=TRUE)
map('county', 'minnesota',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

mississippi.cdp

mississippi.cdp

Description

mississippi.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(mississippi.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(mississippi.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(mississippi.cdp,mississippi.cdp$pop2000)
plot(mississippi.cdp,col=colors.use$colors)
#text(coordinates(mississippi.cdp),mississippi.cdp$name,cex=.3)
title(main="Census Designated Places \n of Mississippi, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(mississippi.cdp)

map('state',region='mississippi')
plotvar <- mississippi.cdp$pop2000
nclr <- 4
#BuPu

```

```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(mississippi.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Mississippi, 2000", sub="Quantiles (equal frequency)")
map.text("county", "mississippi", cex=.7,add=TRUE)
map('county', 'mississippi', add=TRUE)
legend("bottomright", "(x,y)", legend=names(attr(colcode, "table")), fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count", bg="white")

## End(Not run)

```

missouri.cdp

missouri.cdp

Description

missouri.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(missouri.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
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(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(missouri.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(missouri.cdp,missouri.cdp$pop2000)
plot(missouri.cdp,col=colors.use$colors)
#text(coordinates(missouri.cdp),missouri.cdp$name,cex=.3)
title(main="Census Designated Places \n of Missouri, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",bg

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(missouri.cdp)

map('state',region='missouri')
plotvar <- missouri.cdp$pop2000
nclr <- 4
#BuPu

```



```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(missouri.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Missouri, 2000", sub="Quantiles (equal frequency)")
map.text("county", "missouri",cex=.7,add=TRUE)
map('county', 'missouri',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

montana.cdp

montana.cdp

Description

montana.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(montana.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(montana.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(montana.cdp,montana.cdp$pop2000)
plot(montana.cdp,col=colors.use$colors)
#text(coordinates(montana.cdp),montana.cdp$name,cex=.3)
title(main="Census Designated Places \n of Montana, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(montana.cdp)

map('state',region='montana')
plotvar <- montana.cdp$pop2000
nclr <- 4
#BuPu

```

```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(montana.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Montana, 2000", sub="Quantiles (equal frequency)")
map.text("county", "montana",cex=.7,add=TRUE)
map('county', 'montana',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

nebraska.cdp

*nebraska.cdp***Description**

nebraska.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(nebraska.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state 1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(nebraska.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(nebraska.cdp,nebraska.cdp$pop2000)
plot(nebraska.cdp,col=colors.use$colors)
#text(coordinates(nebraska.cdp),nebraska.cdp$name,cex=.3)
title(main="Census Designated Places \n of Nebraska, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",bg

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(nebraska.cdp)

map('state',region='nebraska')
plotvar <- nebraska.cdp$pop2000
nclr <- 4
#BuPu

```



```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(nebraska.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Nebraska, 2000", sub="Quantiles (equal frequency)")
map.text("county", "nebraska",cex=.7,add=TRUE)
map('county', 'nebraska',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

nevada.cdp

*nevada.cdp***Description**

nevada.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(nevada.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(nevada.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(nevada.cdp,nevada.cdp$pop2000)
plot(nevada.cdp,col=colors.use$colors)
#text(coordinates(nevada.cdp),nevada.cdp$name,cex=.3)
title(main="Census Designated Places \n of Nevada, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(nevada.cdp)

map('state',region='nevada')
plotvar <- nevada.cdp$pop2000
nclr <- 4
#BuPu

```

```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(nevada.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Nevada, 2000", sub="Quantiles (equal frequency)")
map.text("county", "nevada",cex=.7,add=TRUE)
map('county', 'nevada',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

new_hampshire.cdp *new_hampshire.cdp*

Description

new_hampshire.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(new_hampshire.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(new_hampshire.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(new_hampshire.cdp,new_hampshire.cdp$pop2000)
plot(new_hampshire.cdp,col=colors.use$colors)
#text(coordinates(new_hampshire.cdp),new_hampshire.cdp$name,cex=.3)
title(main="Census Designated Places \n of New_hampshire, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",bg

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(new_hampshire.cdp)

map('state',region='new_hampshire')
plotvar <- new_hampshire.cdp$pop2000
nclr <- 4
#BuPu

```



```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(new_hampshire.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of New_hampshire, 2000", sub="Quantiles (equal frequency)")
map.text("county", "new_hampshire",cex=.7,add=TRUE)
map('county', 'new_hampshire',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

new_jersey.cdp

new_jersey.cdp

Description

new_jersey.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(new_jersey.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(new_jersey.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(new_jersey.cdp,new_jersey.cdp$pop2000)
plot(new_jersey.cdp,col=colors.use$colors)
#text(coordinates(new_jersey.cdp),new_jersey.cdp$name,cex=.3)
title(main="Census Designated Places \n of New_jersey, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(new_jersey.cdp)

map('state',region='new_jersey')
plotvar <- new_jersey.cdp$pop2000
nclr <- 4
#BuPu

```

```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(new_jersey.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of New_jersey, 2000", sub="Quantiles (equal frequency)")
map.text("county", "new_jersey",cex=.7,add=TRUE)
map('county', 'new_jersey',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

new_mexico.cdp

new_mexico.cdp

Description

new_mexico.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(new_mexico.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(new_mexico.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(new_mexico.cdp,new_mexico.cdp$pop2000)
plot(new_mexico.cdp,col=colors.use$colors)
#text(coordinates(new_mexico.cdp),new_mexico.cdp$name,cex=.3)
title(main="Census Designated Places \n of New_mexico, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(new_mexico.cdp)

map('state',region='new_mexico')
plotvar <- new_mexico.cdp$pop2000
nclr <- 4
#BuPu

```



```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(new_mexico.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of New_mexico, 2000", sub="Quantiles (equal frequency)")
map.text("county", "new_mexico",cex=.7,add=TRUE)
map('county', 'new_mexico',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

new_york.cdp

new_york.cdp

Description

new_york.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(new_york.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(new_york.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(new_york.cdp,new_york.cdp$pop2000)
plot(new_york.cdp,col=colors.use$colors)
#text(coordinates(new_york.cdp),new_york.cdp$name,cex=.3)
title(main="Census Designated Places \n of New_york, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",bg

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(new_york.cdp)

map('state',region='new_york')
plotvar <- new_york.cdp$pop2000
nclr <- 4
#BuPu

```

```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(new_york.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of New_york, 2000", sub="Quantiles (equal frequency)")
map.text("county", "new_york",cex=.7,add=TRUE)
map('county', 'new_york',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

north_carolina.cdp *north_carolina.cdp*

Description

north_carolina.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(north_carolina.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(north_carolina.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(north_carolina.cdp,north_carolina.cdp$pop2000)
plot(north_carolina.cdp,col=colors.use$colors)
#text(coordinates(north_carolina.cdp),north_carolina.cdp$name,cex=.3)
title(main="Census Designated Places \n of North_carolina, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(north_carolina.cdp)

map('state',region='north_carolina')
plotvar <- north_carolina.cdp$pop2000
nclr <- 4
#BuPu

```



```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(north_carolina.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of North_carolina, 2000", sub="Quantiles (equal frequency)")
map.text("county", "north_carolina",cex=.7,add=TRUE)
map('county', 'north_carolina',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

north_dakota.cdp

*north_dakota.cdp***Description**

north_dakota.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(north_dakota.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(north_dakota.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(north_dakota.cdp,north_dakota.cdp$pop2000)
plot(north_dakota.cdp,col=colors.use$colors)
#text(coordinates(north_dakota.cdp),north_dakota.cdp$name,cex=.3)
title(main="Census Designated Places \n of North_dakota, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(north_dakota.cdp)

map('state',region='north_dakota')
plotvar <- north_dakota.cdp$pop2000
nclr <- 4
#BuPu

```

```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(north_dakota.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of North_dakota, 2000", sub="Quantiles (equal frequency)")
map.text("county", "north_dakota",cex=.7,add=TRUE)
map('county', 'north_dakota',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

ohio.cdp

*ohio.cdp***Description**

ohio.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(ohio.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state 1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(ohio.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(ohio.cdp,ohio.cdp$pop2000)
plot(ohio.cdp,col=colors.use$colors)
#text(coordinates(ohio.cdp),ohio.cdp$name,cex=.3)
title(main="Census Designated Places \n of Ohio, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(ohio.cdp)

map('state',region='ohio')
plotvar <- ohio.cdp$pop2000
nclr <- 4
#BuPu

```



```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(ohio.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Ohio, 2000", sub="Quantiles (equal frequency)")
map.text("county", "ohio",cex=.7,add=TRUE)
map('county', 'ohio',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

oklahoma.cdp

*oklahoma.cdp***Description**

oklahoma.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(oklahoma.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(oklahoma.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(oklahoma.cdp,oklahoma.cdp$pop2000)
plot(oklahoma.cdp,col=colors.use$colors)
#text(coordinates(oklahoma.cdp),oklahoma.cdp$name,cex=.3)
title(main="Census Designated Places \n of Oklahoma, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",bty="n")

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(oklahoma.cdp)

map('state',region='oklahoma')
plotvar <- oklahoma.cdp$pop2000
nclr <- 4
#BuPu

```

```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(oklahoma.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Oklahoma, 2000", sub="Quantiles (equal frequency)")
map.text("county", "oklahoma",cex=.7,add=TRUE)
map('county', 'oklahoma',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

oregon.cdp

*oregon.cdp***Description**

oregon.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(oregon.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(oregon.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(oregon.cdp,oregon.cdp$pop2000)
plot(oregon.cdp,col=colors.use$colors)
#text(coordinates(oregon.cdp),oregon.cdp$name,cex=.3)
title(main="Census Designated Places \n of Oregon, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(oregon.cdp)

map('state',region='oregon')
plotvar <- oregon.cdp$pop2000
nclr <- 4
#BuPu

```



```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(oregon.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Oregon, 2000", sub="Quantiles (equal frequency)")
map.text("county", "oregon",cex=.7,add=TRUE)
map('county', 'oregon',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

pennsylvania.cdp

*pennsylvania.cdp***Description**

pennsylvania.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(pennsylvania.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(pennsylvania.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(pennsylvania.cdp,pennsylvania.cdp$pop2000)
plot(pennsylvania.cdp,col=colors.use$colors)
#text(coordinates(pennsylvania.cdp),pennsylvania.cdp$name,cex=.3)
title(main="Census Designated Places \n of Pennsylvania, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(pennsylvania.cdp)

map('state',region='pennsylvania')
plotvar <- pennsylvania.cdp$pop2000
nclr <- 4
#BuPu

```

```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(pennsylvania.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Pennsylvania, 2000", sub="Quantiles (equal frequency)")
map.text("county", "pennsylvania",cex=.7,add=TRUE)
map('county', 'pennsylvania',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

rhode_island.cdp

*rhode_island.cdp***Description**

rhode_island.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(rhode_island.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(rhode_island.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(rhode_island.cdp,rhode_island.cdp$pop2000)
plot(rhode_island.cdp,col=colors.use$colors)
#text(coordinates(rhode_island.cdp),rhode_island.cdp$name,cex=.3)
title(main="Census Designated Places \n of Rhode_island, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(rhode_island.cdp)

map('state',region='rhode_island')
plotvar <- rhode_island.cdp$pop2000
nclr <- 4
#BuPu

```



```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(rhode_island.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Rhode_island, 2000", sub="Quantiles (equal frequency)")
map.text("county", "rhode_island",cex=.7,add=TRUE)
map('county', 'rhode_island',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

south_carolina.cdp *south_carolina.cdp*

Description

south_carolina.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(south_carolina.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(south_carolina.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(south_carolina.cdp,south_carolina.cdp$pop2000)
plot(south_carolina.cdp,col=colors.use$colors)
#text(coordinates(south_carolina.cdp),south_carolina.cdp$name,cex=.3)
title(main="Census Designated Places \n of South_carolina, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(south_carolina.cdp)

map('state',region='south_carolina')
plotvar <- south_carolina.cdp$pop2000
nclr <- 4
#BuPu

```

```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(south_carolina.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of South_carolina, 2000", sub="Quantiles (equal frequency)")
map.text("county", "south_carolina",cex=.7,add=TRUE)
map('county', 'south_carolina',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

south_dakota.cdp

*south_dakota.cdp***Description**

south_dakota.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(south_dakota.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(south_dakota.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(south_dakota.cdp,south_dakota.cdp$pop2000)
plot(south_dakota.cdp,col=colors.use$colors)
#text(coordinates(south_dakota.cdp),south_dakota.cdp$name,cex=.3)
title(main="Census Designated Places \n of South_dakota, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(south_dakota.cdp)

map('state',region='south_dakota')
plotvar <- south_dakota.cdp$pop2000
nclr <- 4
#BuPu

```



```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(south_dakota.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of South_dakota, 2000", sub="Quantiles (equal frequency)")
map.text("county", "south_dakota", cex=.7, add=TRUE)
map('county', 'south_dakota', add=TRUE)
legend("bottomright", "(x,y)", legend=names(attr(colcode, "table")), fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count", bg="white")

## End(Not run)

```

tennessee.cdp

*tennessee.cdp***Description**

tennessee.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(tennessee.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(tennessee.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(tennessee.cdp, tennessee.cdp$pop2000)
plot(tennessee.cdp,col=colors.use$colors)
#text(coordinates(tennessee.cdp),tennessee.cdp$name,cex=.3)
title(main="Census Designated Places \n of Tennessee, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(tennessee.cdp)

map('state',region='tennessee')
plotvar <- tennessee.cdp$pop2000
nclr <- 4
#BuPu

```

```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(tennessee.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Tennessee, 2000", sub="Quantiles (equal frequency)")
map.text("county", "tennessee", cex=.7,add=TRUE)
map('county', 'tennessee',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

texas.cdp

*texas.cdp***Description**

texas.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(texas.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(texas.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(texas.cdp,texas.cdp$pop2000)
plot(texas.cdp,col=colors.use$colors)
#text(coordinates(texas.cdp),texas.cdp$name,cex=.3)
title(main="Census Designated Places \n of Texas, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(texas.cdp)

map('state',region='texas')
plotvar <- texas.cdp$pop2000
nclr <- 4
#BuPu

```



```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(texas.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Texas, 2000", sub="Quantiles (equal frequency)")
map.text("county", "texas",cex=.7,add=TRUE)
map('county', 'texas',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

utah.cdp

utah.cdp

Description

utah.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(utah.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state 1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

- <http://www.census.gov/>
- <http://www2.census.gov/cgi-bin/shapefiles/national-files>
- <http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(utah.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(utah.cdp,utah.cdp$pop2000)
plot(utah.cdp,col=colors.use$colors)
#text(coordinates(utah.cdp),utah.cdp$name,cex=.3)
title(main="Census Designated Places \n of Utah, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(utah.cdp)

map('state',region='utah')
plotvar <- utah.cdp$pop2000
nclr <- 4
#BuPu

```

```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(utah.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Utah, 2000", sub="Quantiles (equal frequency)")
map.text("county", "utah",cex=.7,add=TRUE)
map('county', 'utah',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

vermont.cdp

vermont.cdp

Description

vermont.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(vermont.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(vermont.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(vermont.cdp,vermont.cdp$pop2000)
plot(vermont.cdp,col=colors.use$colors)
#text(coordinates(vermont.cdp),vermont.cdp$name,cex=.3)
title(main="Census Designated Places \n of Vermont, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",bg

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(vermont.cdp)

map('state',region='vermont')
plotvar <- vermont.cdp$pop2000
nclr <- 4
#BuPu

```



```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(vermont.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Vermont, 2000", sub="Quantiles (equal frequency)")
map.text("county", "vermont",cex=.7,add=TRUE)
map('county', 'vermont',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

virginia.cdp

*virginia.cdp***Description**

virginia.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(virginia.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(virginia.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(virginia.cdp,virginia.cdp$pop2000)
plot(virginia.cdp,col=colors.use$colors)
#text(coordinates(virginia.cdp),virginia.cdp$name,cex=.3)
title(main="Census Designated Places \n of Virginia, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",bg

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(virginia.cdp)

map('state',region='virginia')
plotvar <- virginia.cdp$pop2000
nclr <- 4
#BuPu

```

```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(virginia.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Virginia, 2000", sub="Quantiles (equal frequency)")
map.text("county", "virginia",cex=.7,add=TRUE)
map('county', 'virginia',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

washington.cdp

washington.cdp

Description

washington.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(washington.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(washington.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(washington.cdp,washington.cdp$pop2000)
plot(washington.cdp,col=colors.use$colors)
#text(coordinates(washington.cdp),washington.cdp$name,cex=.3)
title(main="Census Designated Places \n of Washington, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(washington.cdp)

map('state',region='washington')
plotvar <- washington.cdp$pop2000
nclr <- 4
#BuPu

```



```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(washington.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Washington, 2000", sub="Quantiles (equal frequency)")
map.text("county", "washington",cex=.7,add=TRUE)
map('county', 'washington',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

west_virginia.cdp *west_virginia.cdp*

Description

west_virginia.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(west_virginia.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(west_virginia.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(west_virginia.cdp,west_virginia.cdp$pop2000)
plot(west_virginia.cdp,col=colors.use$colors)
#text(coordinates(west_virginia.cdp),west_virginia.cdp$name,cex=.3)
title(main="Census Designated Places \n of West_virginia, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(west_virginia.cdp)

map('state',region='west_virginia')
plotvar <- west_virginia.cdp$pop2000
nclr <- 4
#BuPu

```

```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(west_virginia.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of West_virginia, 2000", sub="Quantiles (equal frequency)")
map.text("county", "west_virginia",cex=.7,add=TRUE)
map('county', 'west_virginia',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

wisconsin.cdp

*wisconsin.cdp***Description**

wisconsin.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(wisconsin.cdp)
```

Details**ID Variables**

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
(P007003)	black	black or african american alone
(P007004)	ameri.es	american indian and alaska native alone
(P007005)	asian	asian alone

(P007006)	hawn.pi	native hawaiian and other pacific islander alone
(P007007)	other	some other race alone
(P007008)	mult.race	2 or more races
(P011001)	hispanic	people who are hispanic or latino
(P008002)	not.hispanic.t	Not Hispanic or Latino
(P008003)	nh.white	White alone
(P008004)	nh.black	Black or African American alone
(P008005)	nh.ameri.es	American Indian and Alaska Native alone
(P008006)	nh.asian	Asian alone
(P008007)	nh.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008008)	nh.other	Some other race alone
(P008010)	hispanic.t	Hispanic or Latino
(P008011)	h.white	White alone
(P008012)	h.black	Black or African American alone
(P008013)	h.american.es	American Indian and Alaska Native alone
(P008014)	h.asian	Asian alone
(P008015)	h.hawn.pi	Native Hawaiian and Other Pacific Islander alone
(P008016)	h.other	Some other race alone
(P012002)	males	males
(P012026)	females	females
(P012003 + P012027)	age.under5	male and female under 5 yrs
(P012004-006 + P012028-030)	age.5.17	male and female 5 to 17 yrs
(P012007-009 + P012031-033)	age.18.21	male and female 18 to 21 yrs
(P012010-011 + P012034-035)	age.22.29	male and female 22 to 29 yrs
(P012012-013 + P012036-037)	age.30.39	male and female 30 to 39 yrs
(P012014-015 + P012038-039)	age.40.49	male and female 40 to 49 yrs
(P012016-019 + P012040-043)	age.50.64	male and female 50 to 64 yrs
(P012020-025 + P012044-049)	age.65.up	male and female 65 yrs and over
(P013001)	med.age	median age, both sexes
(P013002)	med.age.m	median age, males
(P013003)	med.age.f	median age, females
(P015001)	households	households
(P017001)	ave.hh.sz	average household size
(P018003)	hsehld.1.m	1-person household, male householder
(P018004)	hsehld.1.f	1-person household, female householder
(P018008)	marhh.chd	family households, married-couple family, w/ own children under 18 yrs
(P018009)	marhh.no.c	family households, married-couple family, no own children under 18 yrs
(P018012)	mhh.child	family households, other family, male householder, no wife present, w/ own children
(P018015)	fhh.child	family households, other family, female householder, no husband present, w/ own children
(H001001)	hh.units	housing units total
(H002002)	hh.urban	urban housing units
(H002005)	hh.rural	rural housing units
(H003002)	hh.occupied	occupied housing units
(H003003)	hh.vacant	vacant housing units
(H004002)	hh.owner	owner occupied housing units
(H004003)	hh.renter	renter occupied housing units
(H013002)	hh.1person	1-person household
(H013003)	hh.2person	2-person household

(H013004)	hh.3person	3-person household
(H013005)	hh.4person	4-person household
(H013006)	hh.5person	5-person household
(H013007)	hh.6person	6-person household
(H013008)	hh.7person	7-person household
(H015I003)+(H015I011)	hh.nh.white.1p	(white only, not hispanic) 1-person household
(H015I004)+(H015I012)	hh.nh.white.2p	(white only, not hispanic) 2-person household
(H015I005)+(H015I013)	hh.nh.white.3p	(white only, not hispanic) 3-person household
(H015I006)+(H015I014)	hh.nh.white.4p	(white only, not hispanic) 4-person household
(H015I007)+(H015I015)	hh.nh.white.5p	(white only, not hispanic) 5-person household
(H015I008)+(H015I016)	hh.nh.white.6p	(white only, not hispanic) 6-person household
(H015I009)+(H015I017)	hh.nh.white.7p	(white only, not hispanic) 7-person household
(H015H003)+(H015H011)	hh.hisp.1p	(hispanic) 1-person household
(H015H004)+(H015H012)	hh.hisp.2p	(hispanic) 2-person household
(H015H005)+(H015H013)	hh.hisp.3p	(hispanic) 3-person household
(H015H006)+(H015H014)	hh.hisp.4p	(hispanic) 4-person household
(H015H007)+(H015H015)	hh.hisp.5p	(hispanic) 5-person household
(H015H008)+(H015H016)	hh.hisp.6p	(hispanic) 6-person household
(H015H009)+(H015H017)	hh.hisp.7p	(hispanic) 7-person household
(H015B003)+(H015B011)	hh.black.1p	(black) 1-person household
(H015B004)+(H015B012)	hh.black.2p	(black) 2-person household
(H015B005)+(H015B013)	hh.black.3p	(black) 3-person household
(H015B006)+(H015B014)	hh.black.4p	(black) 4-person household
(H015B007)+(H015B015)	hh.black.5p	(black) 5-person household
(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
(H015B009)+(H015B017)	hh.black.7p	(black) 7-person household
(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(wisconsin.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(wisconsin.cdp,wisconsin.cdp$pop2000)
plot(wisconsin.cdp,col=colors.use$colors)
#text(coordinates(wisconsin.cdp),wisconsin.cdp$name,cex=.3)
title(main="Census Designated Places \n of Wisconsin, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(wisconsin.cdp)

map('state',region='wisconsin')
plotvar <- wisconsin.cdp$pop2000
nclr <- 4
#BuPu

```



```

plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(wisconsin.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Wisconsin, 2000", sub="Quantiles (equal frequency)")
map.text("county", "wisconsin",cex=.7,add=TRUE)
map('county', 'wisconsin',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)

```

wyoming.cdp

wyoming.cdp

Description

wyoming.cdp is a [SpatialPolygonsDataFrame](#) with polygons made from the 2000 US Census tiger/line boundary files (<http://www.census.gov/geo/www/tiger/>) for Census Designated Places (CDP). It also contains 86 variables from the Summary File 1 (SF 1) which contains the 100-percent data (<http://www.census.gov/prod/cen2000/doc/sf1.pdf>).

All polygons are projected in CRS("+proj=longlat +datum=NAD83")

Usage

```
data(wyoming.cdp)
```

Details

ID Variables

data field name	Full Description
place	FIPS code
state	State FIPS code
name	CDP name
designation	city/town/CDP/etc.

Census Variables

Census SF1 Field Name	data field name	Full Description
(P007001)	pop2000	population 2000
(P007002)	white	white alone
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(H015B008)+(H015B016)	hh.black.6p	(black) 6-person household
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(H015D003)+(H015D011)	hh.asian.1p	(asian) 1-person household
(H015D004)+(H015D012)	hh.asian.2p	(asian) 2-person household
(H015D005)+(H015D013)	hh.asian.3p	(asian) 3-person household
(H015D006)+(H015D014)	hh.asian.4p	(asian) 4-person household
(H015D007)+(H015D015)	hh.asian.5p	(asian) 5-person household
(H015D008)+(H015D016)	hh.asian.6p	(asian) 6-person household
(H015D009)+(H015D017)	hh.asian.7p	(asian) 7-person household

Source

Census 2000 Summary File 1 [name of state1 or United States]/prepared by the U.S. Census Bureau, 2001.

References

<http://www.census.gov/>
<http://www2.census.gov/cgi-bin/shapefiles/national-files>
<http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Examples

```

data(wyoming.cdp)

#####
## Helper function for handling coloring of the map
#####
color.map<- function(x,dem,y=NULL){
  l.poly<-length(x@polygons)
  dem.num<- cut(dem ,breaks=ceiling(quantile(dem)),dig.lab = 6)
  dem.num[which(is.na(dem.num)==TRUE)]<-levels(dem.num)[1]
  l.uc<-length(table(dem.num))
  if(is.null(y)){
    col.heat<-heat.colors(16)[c(14,8,4,1)] ##fixed set of four colors
  }else{
    col.heat<-y
  }
  dem.col<-cbind(col.heat,names(table(dem.num)))
  colors.dem<-vector(length=l.poly)
  for(i in 1:l.uc){
    colors.dem[which(dem.num==dem.col[i,2])]<-dem.col[i,1]
  }
  out<-list(colors=colors.dem,dem.cut=dem.col[,2],table.colors=dem.col[,1])
  return(out)
}
#####
## Helper function for handling coloring of the map
#####

colors.use<-color.map(wyoming.cdp,wyoming.cdp$pop2000)
plot(wyoming.cdp,col=colors.use$colors)
#text(coordinates(wyoming.cdp),wyoming.cdp$name,cex=.3)
title(main="Census Designated Places \n of Wyoming, 2000", sub="Quantiles (equal frequency)")
legend("bottomright",legend=colors.use$dem.cut,fill=colors.use$table.colors,bty="o",title="Population Count",b

#####
### Alternative way to do the above
#####
## Not run:
####This example requires the following additional libraries
library(RColorBrewer)
library(classInt)
library(maps)
####This example requires the following additional libraries

data(wyoming.cdp)

map('state',region='wyoming')
plotvar <- wyoming.cdp$pop2000
nclr <- 4
#BuPu

```

```
plotclr <- brewer.pal(nclr,"BuPu")
class <- classIntervals(plotvar, nclr, style="quantile")
colcode <- findColours(class, plotclr)
plot(wyoming.cdp, col=colcode, border="transparent",add=TRUE)
#transparent
title(main="Census Designated Places\n of Wyoming, 2000", sub="Quantiles (equal frequency)")
map.text("county", "wyoming",cex=.7,add=TRUE)
map('county', 'wyoming',add=TRUE)
legend("bottomright","(x,y)", legend=names(attr(colcode, "table")),fill=attr(colcode, "palette"),
cex=0.9, bty="o", title="Population Count",bg="white")

## End(Not run)
```

Index

*Topic **datasets**

alabama.cdp, 3
alaska.cdp, 7
arizona.cdp, 10
arkansas.cdp, 14
california.cdp, 18
colorado.cdp, 22
connecticut.cdp, 26
delaware.cdp, 30
district_of_columbia.cdp, 34
florida.cdp, 37
georgia.cdp, 41
hawaii.cdp, 45
idaho.cdp, 49
illinois.cdp, 53
indiana.cdp, 57
iowa.cdp, 61
kansas.cdp, 65
kentucky.cdp, 69
louisiana.cdp, 73
maine.cdp, 77
maryland.cdp, 81
massachusetts.cdp, 85
michigan.cdp, 89
minnesota.cdp, 93
mississippi.cdp, 97
missouri.cdp, 101
montana.cdp, 105
nebraska.cdp, 109
nevada.cdp, 113
new_hampshire.cdp, 117
new_jersey.cdp, 121
new_mexico.cdp, 125
new_york.cdp, 129
north_carolina.cdp, 133
north_dakota.cdp, 137
ohio.cdp, 141
oklahoma.cdp, 145
oregon.cdp, 149

pennsylvania.cdp, 153
rhode_island.cdp, 157
south_carolina.cdp, 161
south_dakota.cdp, 165
tennessee.cdp, 169
texas.cdp, 173
utah.cdp, 177
vermont.cdp, 181
virginia.cdp, 185
washington.cdp, 189
west_virginia.cdp, 193
wisconsin.cdp, 197
wyoming.cdp, 201

alabama.cdp, 3
alaska.cdp, 7
arizona.cdp, 10
arkansas.cdp, 14

california.cdp, 18
colorado.cdp, 22
connecticut.cdp, 26

delaware.cdp, 30
district_of_columbia.cdp, 34

florida.cdp, 37

georgia.cdp, 41

hawaii.cdp, 45

idaho.cdp, 49
illinois.cdp, 53
indiana.cdp, 57
iowa.cdp, 61

kansas.cdp, 65
kentucky.cdp, 69

louisiana.cdp, 73

maine.cdp, 77
maryland.cdp, 81
massachusetts.cdp, 85
michigan.cdp, 89
minnesota.cdp, 93
mississippi.cdp, 97
missouri.cdp, 101
montana.cdp, 105

nebraska.cdp, 109
nevada.cdp, 113
new_hampshire.cdp, 117
new_jersey.cdp, 121
new_mexico.cdp, 125
new_york.cdp, 129
north_carolina.cdp, 133
north_dakota.cdp, 137

ohio.cdp, 141
oklahoma.cdp, 145
oregon.cdp, 149

pennsylvania.cdp, 153

rhode_island.cdp, 157

south_carolina.cdp, 161
south_dakota.cdp, 165
SpatialPolygonsDataFrame, 3, 7, 11, 15, 19,
23, 27, 31, 35, 37, 41, 45, 49, 53, 57,
61, 65, 69, 73, 77, 81, 85, 89, 93, 97,
101, 105, 109, 113, 117, 121, 125,
129, 133, 137, 141, 145, 149, 153,
157, 161, 165, 169, 173, 177, 181,
185, 189, 193, 197, 201

tennessee.cdp, 169
texas.cdp, 173

utah.cdp, 177

vermont.cdp, 181
virginia.cdp, 185

washington.cdp, 189
west_virginia.cdp, 193
wisconsin.cdp, 197
wyoming.cdp, 201