

# Package ‘RcmdrPlugin.sampling’

July 2, 2014

**Title** Tools for sampling in Official Statistical Surveys

**Version** 1.1

**Date** 2013-08-23

**Depends** lpSolve, sampling, MASS

**Imports** Rcmdr

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**Description** This package includes tools for calculating sample sizes and selecting samples using various sampling designs. This package is an extension of RcmdrPlugin.EHESsampling which was developed as part of the EHES pilot project. The EHES Pilot project has received funding from the European Commission and DG Sanco. The views expressed here are those of the authors and they do not represent Commission's official position.

**License** GPL (>= 2)

**LazyLoad** yes

**NeedsCompilation** no

**Repository** CRAN

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RcmdrPlugin.sampling-package

*Help with sampling*

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**Description**

This package provides a range of tools to assist with the sampling process for official statistical surveys. Tools include programs to calculate sample sizes, selecting a 2-stage sample, importing a SAS dataset. The package is based on the work completed as part of EHES under the package: RcmdrPlugin.EHESsampling. The EHES Pilot project has received funding from the European Commission and DG Sanco. The views expressed here are those of the authors and they do not represent Commission's official position.

**Details**

Package:	Rcmdrplugin.sampling
Type:	Package
Version:	1.0
Date:	2012-10-23
License:	GPL
LazyLoad:	yes

**Author(s)**

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NorwayExample

*Secondary Sampling Unit Data Set*

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**Description**

An example data set from Norway containing individuals within postal codes in 1 municipality (Fylke)

**Usage**

NORwayExample

**Format**

A data set containing 1000 individuals in Oslo, Norway. Each person has a gender/age indicator and are allocated to a postal code region.

**Source**

www.ssb.no

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NorwayExample\_PSU      *Primary Sampling Unit Data Set*

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**Description**

An example data set from Norway containing population sizes in postal codes

**Usage**

NorwayExample\_PSU

**Format**

A data set containing 944 postal code units for Norway. Each unit is allocated to a municipality (Fylke) and has a population size indicator with gender/age demographic break-down.

**Source**

www.ssb.no

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NorwayExample\_Strata      *Stratification Data Set*

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**Description**

An example data set from Norway containing municipality (Fylke) information including population size, cost of surveying, age variance, and examples of sampling allocation.

**Usage**

PSU.df

**Format**

A data set containing 19 municipalities for Norway and 11 variables.

**Source**

www.ssb.no

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RcmdrPlugin.sampling *Extra functions to assist with sampling for official Surveys*

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**Description**

This provides tools to assist with official statistical Surveys, including calculating sample sizes and sampling with a 2-stage design.

**Author(s)**

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**References**

see the EHES manual published on the EHES website: <http://www.ehes.info>

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