

Package ‘rAltmetric’

July 2, 2014

Type Package

Title Retrieves altmetrics data for any published paper from altmetrics.com

Version 0.3

Date 2012-09-12

Author Karthik Ram [aut, cre]

Maintainer Karthik Ram <karthik.ram@gmail.com>

Description Programmatic interface to the Altmetric.com API.

URL <https://github.com/ropensci/rAltmetric>

Bugs and Issues <https://github.com/ropensci/rAltmetric/issues/>

License CC0

Depends plyr, RCurl, reshape2, png, ggplot2 (>= 0.9.2.1), RJSONIO

Collate 'metrics.R' 'metrics_methods.R'

Repository CRAN

Date/Publication 2012-11-08 18:47:05

NeedsCompilation no

R topics documented:

altmetrics	2
altmetric_data	3
plot.altmetric	3
print.altmetric	4

Index	5
--------------	----------

altmetrics

Grab altmetric data on any paper

Description

This function will retrieve data from Altmetric.com on any paper with an appropriate object identifier. Acceptable identifiers include dois, arXiv ids, pubmed ids and altmetric ids.

Usage

```
altmetrics(oid = NULL, id = NULL, doi = NULL,
           pmid = NULL, arXiv = NULL,
           apikey = getOption("altmetricKey"),
           curl = getCurlHandle(), ...)
```

Arguments

oid	oid Any object ID. Any general object identifier as long as the prefix is "doi", "pmid", "arXiv", or "id".
id	The Altmetric id of a paper. If specifying directly, the "id" prefix is not necessary.
doi	The doi of a paper. If specifying directly, the "doi" prefix is not necessary.
pmid	The pmid of a paper. If specifying directly, the "pmid" prefix is not necessary.
arXiv	The arxiv ID of a paper. If specifying directly, the "arXiv" prefix is not necessary.
apikey	An API key obtained from altmetric. The key for this application is '37c9ae22b7979124ea650f3412255bf' and you are free to use it for academic non-commercial research. But if you start seeing rate limits, please contact support at altmetric.com to get your own. The function returns detailed metrics. For more information on all the fields returned by the function, see the API documentation: (http://api.altmetric.com/docs/call_citations.html). If you get your own key, you can save it in your .rprofile as options(altmetricKey="YOUR_KEY")
curl	passes on curl handle in a vectorized operation
...	additional parameters

Value

list

Examples

```
## Not run:
altmetrics(doi = '10.1890/ES11-00339.1')
Or specify the doi with the id
altmetrics('doi/10.1890/ES11-00339.1')
```

```

altmetrics(doi = '10.1038/480426a')
Or specfiy the doi with the id
You can do the same for other providers such as pmid, id, and arxiv
altmetrics('doi/10.1038/480426a')

## End(Not run)

```

altmetric_data *Returns a data frame of metrics for a paper*

Description

Returns a data frame of metrics for a paper

Usage

```
altmetric_data(alt_obj)
```

Arguments

alt_obj altmetrics object

Value

data.frame

Examples

```

## Not run:
altmetric_data(altmetrics('10.1038/489201a'))

## End(Not run)

```

plot.altmetric *Plots metrics for an altmetric object*

Description

Plots metrics for an altmetric object

Usage

```

## S3 method for class 'altmetric'
plot(x, ...)

```

Arguments

x An object of class Altmetric
... additional arguments

```
print.altmetric      Print a summary for an altmetric object
```

Description

Print a summary for an altmetric object

Usage

```
## S3 method for class 'altmetric'  
print(x, ...)
```

Arguments

x	An object of class <code>Altmetric</code>
...	additional arguments

Index

`altmetric_data`, 3
`altmetrics`, 2
`plot.altmetric`, 3
`print.altmetric`, 4