

Package ‘rtrends’

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Type Package

Title Analyze Download Logs from the CRAN RStudio Mirror

Version 0.1.0

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Description Analyze download logs from the CRAN RStudio mirror
(<<http://cran.rstudio.com/>>).

This CRAN mirror is the default one used in RStudio.

The available data is the result of parsed and anonymised raw log data from that CRAN mirror.

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LazyData TRUE

Depends R (>= 3.0.2)

Imports lubridate, dplyr, tidyr

RoxygenNote 5.0.1

NeedsCompilation no

Repository CRAN

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Contents

countries	2
cran_stats_by_day	2
cran_stats_by_package	3
cran_stats_by_packages	3
cran_summary	4
sample_log	5

Index	6
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countries	<i>"GeoLite2 Countries List"</i>
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Description

This dataset is used for converting countries abbreviations into full names

Usage

```
data("countries")
```

Format

geoname_id: geoname_id of location
locale_code: locale_code - factor
continent_code: continent_code - factor
continent_name: continent_name - factor
country_iso_code: country_iso_code - Two letters abbreviation - factor
country_name Full: country name - factor

Source

```
"http://dev.maxmind.com/geoip/geoip2/geolite2/"
```

Examples

```
data(countries)
```

cran_stats_by_day	<i>CRAN Stats for a specific date</i>
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Description

Download a full CRAN Log for a specific date

Usage

```
cran_stats_by_day(Date, cran_log = "http://cran-logs.rstudio.com/")
```

Arguments

Date date of CRAN log to be downloaded
cran_log CRAN mirror name

Value

A dataframe with complete log data of a specific date

Author(s)

Avi Blinder

cran_stats_by_package *CRAN Stats for single package*

Description

Download CRAN data related to several packages in a range of dates

Usage

```
cran_stats_by_package(from_date, to_date, sel_package_name,  
  cran_log = "http://cran-logs.rstudio.com/")
```

Arguments

from_date	Starting date for downloading CRAN Repositories
to_date	end date for downloading CRAN Repositories
sel_package_name	Single package name for analysis
cran_log	CRAN mirror name

Author(s)

Avi Blinder

cran_stats_by_packages
CRAN raw data for several packages in a range of dates

Description

Download CRAN log data related to several packages in a range of dates

Usage

```
cran_stats_by_packages(from_date, to_date, sel_package_name,  
  cran_log = "http://cran-logs.rstudio.com/")
```

Arguments

from_date Starting date for downloading CRAN Repositories
 to_date end date for downloading CRAN Repositories
 sel_package_name
 Single package name for analysis
 cran_log CRAN mirror name

Value

dataframe with log information for selected packages

Author(s)

Avi Blinder

cran_summary	<i>Merge stats with County names</i>
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Description

Merge CRAN log data with County names

Usage

```
cran_summary(cran_log, countries)
```

Arguments

cran_log dataframe containing CRAN log data
 countries Countries lookup table data(sample_log) data(countries) cran_summary(sample_log,countries)

Author(s)

Avi Blinder

sample_log	<i>"Sample Formatted CRAN Log"</i>
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Description

This sample formatted log is used as example in this package")

Usage

```
data("sample_log")
```

Format

```
date : chr "2016-11-01" "2016-11-01" "2016-11-01" "2016-11-01" ...
time : chr "19:46:35" "19:47:38" "18:25:28" "18:29:46" ...
size : chr "538958" "283733" "538964" "523" ...
r_version : chr "3.3.2" "NA" "3.3.1" "3.3.1" ...
r_arch : chr "x86_64" "NA" "x86_64" "x86_64" ...
r_os : chr "darwin13.4.0" "NA" "mingw32" "darwin16.0.0" ...
package_name : chr "sparklyr" "sparklyr" "sparklyr" "sparklyr" ...
package_version: chr "0.4" "0.4" "0.4" "0.4" ...
country : chr "HK" "GB" "BR" "US" ...
ip_id : chr "443" "659" "1117" "404" ...
```

Details

Partial CRAN log data

Source

```
"http://cran-logs.rstudio.com"
```

Examples

```
data(sample_log)
```

Index

* datasets

countries, [2](#)

sample_log, [5](#)

countries, [2](#)

cran_stats_by_day, [2](#)

cran_stats_by_package, [3](#)

cran_stats_by_packages, [3](#)

cran_summary, [4](#)

sample_log, [5](#)