Package: statcanR (via r-universe)

September 14, 2024

Type Package

Title Client for Statistics Canada's Open Economic Data

Version 0.2.9000

Description An easy connection with R to Statistics Canada's Web Data
Service. Open economic data (formerly known as CANSIM tables,
now identified by Product IDs (PID)) are accessible as a data
frame, directly in the user's R environment. Warin, Le Duc
(2019) <doi:10.6084/m9.figshare.10544735>.

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Encoding UTF-8

LazyData true

RoxygenNote 7.2.3

Suggests knitr, rmarkdown, testthat (>= 3.0.0)

VignetteBuilder knitr

Imports data.table, dplyr, ggplot2, reshape2, qs, qpdf, DT, curl,
httr, readr, tibble

URL https://github.com/warint/statcanR/

BugReports https://github.com/warint/statcanR/issues/

Config/testthat/edition 3

Repository https://warint.r-universe.dev

RemoteUrl https://github.com/warint/statcanr

RemoteRef HEAD

RemoteSha 7df02daf542077ca7ac3f3d13b06eacca1d11bcd

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statcan_data	*statcanR*

Description

Easily connect to Statistics Canada's Web Data Service with R. Open economic data (formerly known as CANSIM tables, now identified by Product IDs (PID)) are accessible as a data frame, directly in the user's R environment.

Usage

```
statcan_data(tableNumber, lang)
```

Arguments

tableNumber	The table number of the Statistics Canada data table
lang	The language wanted

Details

The `statcan_data()` function has 2 arguments to fulfill to get data: tableNumber & lang.

The tableNumber argument simply refers to the table number of the Statistics Canada data table a user wants to collect, such as '27-10-0014-01' for the Federal expenditures on science and technology, by socio-economic objectives, as an example.

To get the table number: <https://www150.statcan.gc.ca/n1/en/type/data>.

The second argument, lang, refers to the language. As Canada is a bilingual country, Statistics Canada displays all the economic data in both languages. Therefore, users can choose to collect satistics data tables in French or English by setting the lang argument with c('fra', 'eng').

Value

The output will be a data table representing the data associated with the chosen table number.

Examples

```
#mydata <- statcan_data('27-10-0014-01', 'eng')
```

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statcan_download_data   *statcanR download data function*

Description

statcanR download data function

Usage

```
statcan_download_data(tableNumber, lang)
```

Arguments

tableNumber	The table number of the Statistics Canada data table
lang	The language wanted

Value

The output will be a data table and csv file representing the data associated with the chosen table number.

Examples

```
mydata <- statcan_data('27-10-0014-01', 'eng')
```

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statcan_search   *Searching function for statcanR*

Description

The statcan_search() function has 2 arguments to fulfill to find a database: keywords and lang. The keywords argument refers to words that can be found in either the title or the description of the database. For example, inserting the keywords "economy","export",and "link" will bring up the title, table id, description, and release date for databases that include these keywords. In this case, only one data table ("Supply and use tables, link-1997 level") would be returned as it is the only data table containing all three words.

Usage

```
statcan_search(keywords, lang)
```

Arguments

keywords	The words that appear in the title or description of the data table
lang	The language wanted

Details

Easily connect to Statistics Canada's Web Data Service with R. Open economic data (formerly known as CANSIM tables, now identified by Product IDs (PID)) are accessible as a data frame, directly in the user's R environment.

Value

The output will be the title, id, description, and release date of a table

Examples

```
statcan_search(c("economy","export","link"),"eng")
```

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