

# Package ‘statcanR’

December 14, 2021

**Type** Package

**Title** Client for Statistics Canada's Open Economic Data

**Version** 0.2.3

**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](https://doi.org/10.6084/m9.figshare.10544735)>.

**License** MIT + file LICENSE

**Encoding** UTF-8

**RoxygenNote** 7.1.2

**Suggests** knitr, rmarkdown

**VignetteBuilder** knitr

**Imports** data.table, curl, httr, readr, tibble

**URL** <https://github.com/warint/statcanR/>

**BugReports** <https://github.com/warint/statcanR/issues/>

**NeedsCompilation** no

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**Repository** CRAN

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statcan_data	<i>statcanR</i>
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## 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 statistics 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*

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**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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