

Package ‘cpsR’

October 12, 2022

Title Load CPS Microdata into R Using the 'Census Bureau Data' API

Version 0.6.0

Description Load Current Population Survey (CPS) microdata into R using the 'Census Bureau Data' API (<<https://www.census.gov/data/developers/data-sets.html>>), including basic monthly CPS and CPS ASEC microdata.

URL <https://github.com/matt-saenz/cpsR>

BugReports <https://github.com/matt-saenz/cpsR/issues>

License MIT + file LICENSE

Encoding UTF-8

RoxygenNote 7.2.1

Imports httr, jsonlite, tibble

NeedsCompilation no

Author Matt Saenz [aut, cre]

Maintainer Matt Saenz <mattsaenz165@gmail.com>

Repository CRAN

Date/Publication 2022-09-13 02:30:05 UTC

R topics documented:

get_asec	2
get_basic	3

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

`get_asec`*Load CPS ASEC microdata*

Description

`get_asec()` loads **CPS ASEC** microdata using the Census API.

Usage

```
get_asec(  
  year,  
  vars,  
  key = get_key(),  
  show_url = FALSE,  
  tibble = TRUE,  
  convert = TRUE  
)
```

Arguments

<code>year</code>	Year of data to retrieve. Years 2014 to 2022 are currently supported.
<code>vars</code>	Character vector of variables to retrieve, where each vector element corresponds to the name of a single variable. Variable names can be given in uppercase or lowercase but are always made lowercase in the returned data.
<code>key</code>	Census API key . Defaults to environment variable <code>CENSUS_API_KEY</code> . See the README for info on how (and why) to set up env var <code>CENSUS_API_KEY</code> .
<code>show_url</code>	If TRUE, show the URL the request was sent to (with key suppressed). Defaults to FALSE.
<code>tibble</code>	If TRUE (default), return data as a tibble . If FALSE, return data as a base data frame.
<code>convert</code>	If TRUE (default), run <code>type.convert()</code> with <code>as.is = TRUE</code> on the data returned by the Census API. If FALSE, all columns in the returned data will be character vectors (exactly as returned by the Census API).

Value

A **tibble** or base data frame.

Examples

```
## Not run:  
asec21 <- get_asec(2021, vars = c("marsupwt", "spm_poor"))  
  
## End(Not run)
```

`get_basic`*Load basic monthly CPS microdata*

Description

`get_basic()` loads **basic monthly CPS** microdata using the Census API.

Usage

```
get_basic(  
  year,  
  month,  
  vars,  
  key = get_key(),  
  show_url = FALSE,  
  tibble = TRUE,  
  convert = TRUE  
)
```

Arguments

<code>year</code>	Year of data to retrieve. Years 1989 to 2022 are currently supported.
<code>month</code>	Month of data to retrieve (specified as a number).
<code>vars</code>	Character vector of variables to retrieve, where each vector element corresponds to the name of a single variable. Variable names can be given in uppercase or lowercase but are always made lowercase in the returned data.
<code>key</code>	Census API key . Defaults to environment variable <code>CENSUS_API_KEY</code> . See the README for info on how (and why) to set up env var <code>CENSUS_API_KEY</code> .
<code>show_url</code>	If TRUE, show the URL the request was sent to (with key suppressed). Defaults to FALSE.
<code>tibble</code>	If TRUE (default), return data as a tibble . If FALSE, return data as a base data frame.
<code>convert</code>	If TRUE (default), run <code>type.convert()</code> with <code>as.is = TRUE</code> on the data returned by the Census API. If FALSE, all columns in the returned data will be character vectors (exactly as returned by the Census API).

Value

A **tibble** or base data frame.

Examples

```
## Not run:  
sep21 <- get_basic(  
  year = 2021,  
  month = 9,
```

```
vars = c("pwcmpwgt", "prpertyp", "prtage", "pemlr")
)

## End(Not run)
```

Index

`get_asec`, [2](#)

`get_basic`, [3](#)

`type.convert()`, [2](#), [3](#)