Package ‘cpsR’

February 9, 2022

Title  Load CPS Microdata into R Using the ‘Census Bureau Data’ API
Version 0.5.0
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

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Encoding UTF-8

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Imports httr, jsonlite, tibble

NeedsCompilation no

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get_a sec

Load CPS ASEC microdata

Description

get_a sec() loads CPS ASEC microdata using the Census API.

Usage

get_a sec(
  year,
  vars,
  key = get_key(),
  show_url = FALSE,
  tibble = TRUE,
  convert = TRUE
)

Arguments

year Year of data to retrieve. Years 2014 to 2021 are currently supported.
vars 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.
key Census API key. Defaults to environment variable CENSUS_API_KEY. See the
README for info on how (and why) to set up env var CENSUS_API_KEY.
show_url If TRUE, show the URL the request was sent to (with key suppressed). Defaults
to FALSE.
tibble If TRUE (default), return data as a tibble. If FALSE, return data as a base data
frame.
convert If TRUE (default), run type.convert() with as.is = TRUE 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_a sec(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,  # Year of data to retrieve. Years 1994 to 2022 are currently supported.
  month,  # Month of data to retrieve (specified as a number).
  vars,  # 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.
  key = get_key(),  # Census API key. Defaults to environment variable CENSUS_API_KEY. See the
                   # README for info on how (and why) to set up env var CENSUS_API_KEY.
  show_url = FALSE,  # If TRUE, show the URL the request was sent to (with key suppressed). Defaults
                     # to FALSE.
  tibble = TRUE,  # If TRUE (default), return data as a tibble. If FALSE, return data as a base data
                  # frame.
  convert = TRUE  # If TRUE (default), run type.convert() with as.is = TRUE 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).
)

Arguments

eyear  # Year of data to retrieve. Years 1994 to 2022 are currently supported.
month  # Month of data to retrieve (specified as a number).
vars  # 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.
key  # Census API key. Defaults to environment variable CENSUS_API_KEY. See the
     # README for info on how (and why) to set up env var CENSUS_API_KEY.
show_url  # If TRUE, show the URL the request was sent to (with key suppressed). Defaults
           # to FALSE.
tibble  # If TRUE (default), return data as a tibble. If FALSE, return data as a base data
        # frame.
convert  # If TRUE (default), run type.convert() with as.is = TRUE 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("D01", "D02")
)
vars = c("pwcmpwgt", "prperty", "prtle", "pemr")
)

## End(Not run)
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