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

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Encoding UTF-8

RoxygenNote 7.2.1

Imports httr, jsonlite, tibble

NeedsCompilation no

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Repository CRAN

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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

year  Year of data to retrieve. Years 2014 to 2022 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_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

year Year of data to retrieve. Years 1989 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("pwcmpwgt", "prperty", "prtage", "pemlr")
}

## End(Not run)
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