Package: epiextractr (via r-universe)

October 21, 2024

Type Package

Title Tools to use Economic Policy Institute Microdata Extracts

Version 0.9.1

Description Tools to download and load the EPI microdata extracts from microdata.epi.org.

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URL https://economic.github.io/epiextractr

Encoding UTF-8

LazyData true

Imports purrr, tibble, arrow (>= 2.0), magrittr, rlang, data.table, utils, haven, dplyr

Suggests knitr, rmarkdown, pkgdown, tidyverse

VignetteBuilder knitr

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.2

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

RemoteUrl https://github.com/economic/epiextractr

RemoteRef HEAD

RemoteSha e40751092a59a8ea6cc25517e21a8a5c3a8b38e3

Contents

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cps_metadata   *Retrieve metadata from CPS extract*

Description

Retrieve metadata from CPS extract

Usage

```
cps_version(x)

cps_citation(x)

assert_cps_version(x, version)
```

Arguments

x	EPI CPS extract generated from `load_cps()` functions
version	String version number

Value

`cps_version` and `cps_citation` return version or citation strings.

`assert_cps_version` returns an error when the provided version is incorrect.

Examples

```
## Not run:
cps_org <- load_org(2018:2020)
cps_citation(cps_org)
cps_version(cps_org)
assert_cps_version(cps_org, "1.0.11")

## End(Not run)
```

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download_cps   *Download EPI CPS extracts data*

Description

Download the EPI CPS extracts to your local machine

Usage

```
download_cps(sample, extracts_dir = NULL, overwrite = FALSE)
```

Arguments

`sample`	CPS sample ("org", "basic", "may")
`extracts_dir`	directory where EPI extracts should be placed
`overwrite`	when TRUE, overwrite data

Value

downloaded files

Examples

```
## Not run:
download_cps(sample = "march", extracts_dir = "/data/cps")

## End(Not run)
```

`load_cps`	*Load a selection of EPI CPS extracts*

Description

Select years and variables from the EPI CPS microdata extracts. These data must first be downloaded using download_cps() or from <https://microdata.epi.org>.

Usage

```
load_cps(.sample, .years, ..., .extracts_dir = NULL, .version_check = TRUE)

load_basic(.years, ..., .extracts_dir = NULL, .version_check = TRUE)

load_may(.years, ..., .extracts_dir = NULL, .version_check = TRUE)

load_org(.years, ..., .extracts_dir = NULL, .version_check = TRUE)

load_org_sample(.years, ..., .extracts_dir = NULL, .version_check = TRUE)
```

Arguments

`.sample`	CPS sample ("org", "basic", "march", "may")
`.years`	years of CPS data (integers)
`...`	tidy selection of variables to keep
`.extracts_dir`	directory where EPI extracts are
`.version_check`	when TRUE, confirm data are same version

Details

All columns are selected if ... is missing.

`.extracts_dir` is required, but if NULL it will look for the environment variables

```
EPIEXTRACTS_CPSBASIC_DIR
EPIEXTRACTS_CPSORG_DIR
EPIEXTRACTS_CPSMAY_DIR
```

which could be set in your .Renviron, for example.

Value

A tibble of CPS microdata

Functions

- `load_cps()`: base function group
- `load_basic()`: Load CPS Basic Monthly files
- `load_may()`: Load CPS May files
- `load_org()`: Load CPS ORG files
- `load_org_sample()`: Load a demonstration sample of CPS ORG files; only useful for examples

Examples

```
## Not run:
# Load all of the 2019-2020 CPS Basic columns
load_basic(2019:2020)

# Load a selection of 2010-2019 CPS ORG columns:
load_org(2010:2019, year, month, orgwgt, female, wage)

# These are equivalent:
load_org(2019:2020)
load_cps("org", 2019:2020)

## End(Not run)
```

Index