

Package: baf (via r-universe)

February 7, 2025

Title Block Assignment Files

Version 0.0.1

Description Download and read US Census Bureau data relationship files. Provides support for cleaning and using block assignment files since 2010, as described in <https://www.census.gov/geographies/reference-files/time-series/geo/block-assignment-files.html>. Also includes support for working with block equivalency files, used for years outside of decennial census years.

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Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.1

Imports cli, curl, dplyr, fs, glue, readr

URL <http://christophertkenny.com/baf/>,
<https://github.com/christopherkenny/baf>

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

Config/pak/sysreqs make libssl-dev libx11-dev

Repository <https://christopherkenny.r-universe.dev>

RemoteUrl <https://github.com/christopherkenny/baf>

RemoteRef HEAD

RemoteSha f10b56b805567ecc82cbbc298426a4f771eba534

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baf	<i>Download Block Assignment Files (BAF) from the Census Bureau</i>
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Description

Download Block Assignment Files (BAF) from the Census Bureau

Usage

```
baf(
  state,
  year = 2020,
  geographies = NULL,
  cache_to = baf_download_path(),
  overwrite = FALSE
)
```

Arguments

state	state to download data for.
year	year to download data for. Default is 2020.
geographies	geography types to download. Default is NULL, which gets all available geographies.
cache_to	directory name to save the downloaded data. Default is baf_download_path().
overwrite	Should the data be re-downloaded? Default is FALSE.

Value

a list of [tibbles](#) for each geography type

Examples

```
baf('DE', 2020)
```

baf_download	<i>Download a file</i>
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Description

Download a file

Usage

```
baf_download(url, path, overwrite = FALSE, quiet = FALSE)
```

Arguments

- `url` a URL
- `path` a file path
- `overwrite` should the file at path be overwritten if it already exists? Default is FALSE.
- `quiet` should output and progress bar be suppressed?

Value

a path to the downloaded file, invisibly

Examples

```
tf <- tempfile(fileext = '.zip')
ex <- 'https://www2.census.gov/geo/docs/maps-data/data/baf2020/BlockAssign_ST01_AL.zip'
baf_download(url = ex, path = tf)
```

`baf_download_path` *Get download location for baf files*

Description

Get download location for baf files

Usage

```
baf_download_path()
```

Value

a path

Examples

```
baf_download_path()
```

clean_bafs	<i>Clean Block Assignment Files</i>
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Description

Clean Block Assignment Files

Usage

```
clean_bafs(bafs, state = NULL)
```

Arguments

bafs	list of block assignment files, named by type
state	if provided, adds the first two digits of the state FIPS to each code

Value

a tibble with two columns

- GEOID: block GEOIDs
- target: output GEOIDs for the target geography

Examples

```
baf('WA') |> clean_bafs('WA')
```

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