

Package ‘baf’

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Title Block Assignment Files

Version 0.0.4

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

RoxygenNote 7.3.2

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

Depends R (>= 4.2.0)

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

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

LazyData true

NeedsCompilation no

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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 `dplyr::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	<i>Get download location for baf files</i>
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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

```
data('example_baf') |>  
  clean_bafs('WA')
```

example_baf	<i>Example BAF data from Adams County, WA</i>
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Description

list of tibbles with 1,562 rows each

Usage

```
data('example_baf')
```

Value

tibble with state identifying information

Examples

```
data('example_baf')
```

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