Package 'usmap'

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Title US Maps Including Alaska and Hawaii

Description Obtain United States map data frames of varying region types (e.g. county, state). The map data frames include Alaska and Hawaii conveniently placed to the bottom left, as they appear in most maps of the US. Convenience functions for plotting choropleths, visualizing spatial data, and working with FIPS codes are also provided.

Depends R (>= 3.5.0) **License** GPL (>= 3) **Encoding UTF-8** Language en-US LazyData true URL https://usmap.dev BugReports https://github.com/pdil/usmap/issues **Imports** rlang, usmapdata (>= 0.4.0) Suggests covr, ggplot2 (>= 3.5.0), ggrepel, knitr, proto, rmarkdown, scales, sf, spelling, testthat (>= 3.0.0), vdiffr RoxygenNote 7.3.2 VignetteBuilder knitr Config/testthat/edition 3 NeedsCompilation no Author Paolo Di Lorenzo [aut, cph, cre] Maintainer Paolo Di Lorenzo <paolo@dilorenzo.org> Repository CRAN

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Description

US Census Bureau regional division containing Illinois, Indiana, Michigan, Ohio, and Wisconsin.

Usage

Index

 $.east_north_central$

Format

An object of class character of length 5.

.east_south_central 3

Details

See https://www2.census.gov/geo/pdfs/maps-data/maps/reference/us_regdiv.pdf

Examples

```
plot_usmap(include = .east_north_central, labels = TRUE)
```

.east_south_central

East South Central census division

Description

US Census Bureau regional division containing Alabama, Kentucky, Mississippi, and Tennessee.

Usage

```
.east_south_central
```

Format

An object of class character of length 4.

Details

See https://www2.census.gov/geo/pdfs/maps-data/maps/reference/us_regdiv.pdf

Examples

```
plot_usmap(include = .east_south_central, labels = TRUE)
```

.midwest_region

Midwest census region

Description

US Census Bureau region containing the East North Central and West North Central divisions. This region was designated as "North Central Region" prior to June 1984.

Usage

```
.midwest\_region
```

Format

An object of class character of length 12.

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Details

See https://www2.census.gov/geo/pdfs/maps-data/maps/reference/us_regdiv.pdf

Examples

```
plot_usmap(include = .midwest_region, labels = TRUE)
```

.mid_atlantic

Mid-Atlantic census division

Description

US Census Bureau regional division containing New Jersey, New York, and Pennsylvania.

Usage

```
.mid_atlantic
```

Format

An object of class character of length 3.

Details

See https://www2.census.gov/geo/pdfs/maps-data/maps/reference/us_regdiv.pdf

Examples

```
plot_usmap(include = .mid_atlantic, labels = TRUE)
```

.mountain

Mountain census division

Description

US Census Bureau regional division containing Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming.

Usage

.mountain

Format

An object of class character of length 8.

.new_england 5

Details

See https://www2.census.gov/geo/pdfs/maps-data/maps/reference/us_regdiv.pdf

Examples

```
plot_usmap(include = .mountain, labels = TRUE)
```

.new_england

New England census division

Description

US Census Bureau regional division containing Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Usage

.new_england

Format

An object of class character of length 6.

Details

See https://www2.census.gov/geo/pdfs/maps-data/maps/reference/us_regdiv.pdf

Examples

```
plot_usmap(include = .new_england, labels = TRUE)
```

.northeast_region

Northeast census region

Description

US Census Bureau region containing the New England and Mid-Atlantic divisions.

Usage

```
.northeast_region
```

Format

An object of class character of length 9.

pacific .pacific

Details

See https://www2.census.gov/geo/pdfs/maps-data/maps/reference/us_regdiv.pdf

Examples

```
plot_usmap(include = .northeast_region, labels = TRUE)
```

.north_central_region North-Central census region

Description

Former US Census Bureau region containing the East North Central and West North Central divisions. This region has been designated as "Midwest" since June 1984.

Usage

```
.north_central_region
```

Format

An object of class character of length 12.

Details

```
See https://www2.census.gov/geo/pdfs/maps-data/maps/reference/us_regdiv.pdf
```

Examples

```
plot_usmap(include = .north_central_region, labels = TRUE)
```

.pacific

Pacific census division

Description

US Census Bureau regional division containing Alaska, California, Hawaii, Oregon, and Washington.

Usage

.pacific

Format

An object of class character of length 5.

.south_atlantic 7

Details

See https://www2.census.gov/geo/pdfs/maps-data/maps/reference/us_regdiv.pdf

Examples

```
plot_usmap(include = .pacific, labels = TRUE)
```

.south_atlantic

South Atlantic census division

Description

US Census Bureau regional division containing Delaware, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, District of Columbia, and West Virginia.

Usage

.south_atlantic

Format

An object of class character of length 9.

Details

```
See https://www2.census.gov/geo/pdfs/maps-data/maps/reference/us_regdiv.pdf
```

Examples

```
plot_usmap(include = .south_atlantic, labels = TRUE)
```

.south_region

South census region

Description

US Census Bureau region containing the South Atlantic, East South Central, and West South Central divisions.

Usage

 $.south_region$

Format

An object of class character of length 17.

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Details

See https://www2.census.gov/geo/pdfs/maps-data/maps/reference/us_regdiv.pdf

Examples

```
plot_usmap(include = .midwest_region, labels = TRUE)
```

.west_north_central

West North Central census division

Description

US Census Bureau regional division containing Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota.

Usage

```
.west_north_central
```

Format

An object of class character of length 7.

Details

See https://www2.census.gov/geo/pdfs/maps-data/maps/reference/us_regdiv.pdf

Examples

```
plot_usmap(include = .west_north_central, labels = TRUE)
```

.west_region

West census region

Description

US Census Bureau region containing the Mountain and Pacific divisions.

Usage

```
.west\_region
```

Format

An object of class character of length 13.

.west_south_central 9

Details

See https://www2.census.gov/geo/pdfs/maps-data/maps/reference/us_regdiv.pdf

Examples

```
plot_usmap(include = .midwest_region, labels = TRUE)
```

.west_south_central

West South Central census division

Description

US Census Bureau regional division containing Arkansas, Louisiana, Oklahoma, and Texas.

Usage

```
.west_south_central
```

Format

An object of class character of length 4.

Details

See https://www2.census.gov/geo/pdfs/maps-data/maps/reference/us_regdiv.pdf

Examples

```
plot_usmap(include = .west_south_central, labels = TRUE)
```

citypop

Most populous city in each state (2010)

Description

The most populous city in each US state, as of the 2010 US Census.

The data is formatted for transforming with usmap_transform(). Once the longitude and latitude is transformed, it can be added to plot_usmap() using ggplot2::ggplot() layers.

Usage

```
data(citypop)
```

Format

A data frame with 51 rows and 5 variables.

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Details

- 1on The longitude of the most populous city.
- lat The latitude of the most populous city.
- state The name of the state containing the city.
- abbr The abbreviation of the state containing the city.
- most_populous_city The name of the city.
- city_pop The population of the city.

References

https://www.census.gov/programs-surveys/decennial-census/decade.2010.html

countypop

Population estimates (2022), county level

Description

US census population estimates by county for 2022.

The data is formatted for easy merging with output from us_map().

Usage

data(countypop)

Format

A data frame with 3222 rows and 4 variables.

Details

- fips The 5-digit FIPS code corresponding to the county.
- abbr The 2-letter state abbreviation.
- county The full county name.
- pop_2022 The 2022 population estimate (in number of people) for the corresponding county.

References

- https://www.census.gov/programs-surveys/popest.html
- https://www.ers.usda.gov/data-products/county-level-data-sets

countypov 11

countypov

Poverty percentage estimates (2021), county level

Description

US census poverty percentage estimates by county for 2021.

The data is formatted for easy merging with output from us_map().

Usage

```
data(countypov)
```

Format

A data frame with 3194 rows and 4 variables.

Details

- fips The 5-digit FIPS code corresponding to the county.
- abbr The 2-letter state abbreviation.
- county The full county name.
- pct_pov_2021 The 2021 poverty estimate (in percent of county population) for the corresponding county.

References

- https://www.census.gov/topics/income-poverty/poverty.html
- https://www.ers.usda.gov/data-products/county-level-data-sets

earthquakes

Earthquakes (2019)

Description

US earthquakes with a magnitude of 2.5 or greater, occurring in the first half of 2019, from January 1 to June 30, from USGS.

The data is formatted for transforming with usmap_transform(). Once the longitude and latitude is transformed, it can be added to plot_usmap() using ggplot2::ggplot() layers.

```
data(earthquakes)
```

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Format

A data frame with 2254 rows and 3 variables.

Details

- 1on The longitude of the earthquake's location.
- lat The latitude of the earthquake's location.
- mag The magnitude of the earthquake.

References

- https://www.usgs.gov/programs/earthquake-hazards/earthquakes
- https://earthquake.usgs.gov/earthquakes/search/

fips Retrieve FIPS code for either a US state or county

Description

Each US state and county has a unique FIPS (Federal Information Processing Standards) code. Use this function to obtain the FIPS code for a state or county.

Usage

```
fips(state, county = c(), data_year = NULL)
```

Arguments

state The state(s) for which to obtain a FIPS code(s). Can be entered as either a state

abbreviation or full name (case-insensitive).

state can be entered as either a single state or a vector of states. If state is a

vector, county must be omitted.

county The county for which to obtain a FIPS code. Can be entered with or without

"county" (case-insensitive).

data_year The year for which to obtain FIPS data. If the value is NULL, the most recent

year's data is used. If the provided year is not found from the available map data sets, the next most recent year's data is used. The default is NULL, i.e. the most

recent available year is used.

Details

State and county FIPS (Federal Information Processing Standards) are two and five digit codes, respectively. They uniquely identify all states and counties within the United States. The first two digits of the five digit county codes correspond to the state that the county belongs to. FIPS codes also exist for US territories and minor outlying islands, though this package only provides information for the 50 US states (and their associated counties and census designated areas).

fips_info

Value

The FIPS code(s) of given state or county.

If only states are entered, a vector of length equal to the number of states is returned. If any states are not found or are invalid, NA is returned in their place.

If a state and county are entered, a single value with the FIPS code for the given county is returned. If the county is invalid for the given state, an error is thrown.

If both state and county are omitted, the entire list of available FIPS codes is returned, sorted by the state's abbreviation (e.g. Alaska (AK) comes before Alabama (AL)).

Note

A state must be included when searching for county, otherwise multiple results may be returned for duplicate county names.

See Also

```
fips_info()
```

Examples

```
fips()
fips("NJ")
fips("California")

fips(c("AK", "CA", "UT"))

fips("CA", county = "orange")
fips(state = "AL", county = "autauga")
fips(state = "Alabama", county = "Autauga County")
```

fips_info

Retrieve states or counties using FIPS codes

Description

Retrieve states or counties using FIPS codes

```
fips_info(fips, sortAndRemoveDuplicates = FALSE, data_year = NULL)
## S3 method for class 'numeric'
fips_info(fips, sortAndRemoveDuplicates = FALSE, data_year = NULL)
## S3 method for class 'character'
fips_info(fips, sortAndRemoveDuplicates = FALSE, data_year = NULL)
```

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Arguments

fips

A one to five digit, either numeric or character, vector of FIPS codes for which to look up states or counties. States have a two digit FIPS code and counties have a five digit FIPS code (where the first 2 numbers pertain to the state).

sortAndRemoveDuplicates

Whether or not to sort the output and remove duplicates. By default, the output will be returned in the order of the values provided to the fips parameter. Set this parameter to TRUE to return the output sorted by FIPS with a single instance of each FIPS.

data_year

The year for which to obtain FIPS data. If the value is NULL, the most recent year's data is used. If the provided year is not found from the available map data sets, the next most recent year's data is used. The default is NULL, i.e. the most recent available year is used.

Value

A data frame with the states or counties and the associated FIPS codes.

If fips is omitted, the data frame containing all available states is returned.

See Also

```
fips()
```

Examples

```
fips_info(2)
fips_info("2")
fips_info(c("02", "03", "04"))

fips_info(2016)
fips_info(c("02016", "02017"), sortAndRemoveDuplicates = TRUE)
```

map_with_data

Join county or state level data to US map data

Description

Join county or state level data to US map data

```
map_with_data(
  data,
  values = "values",
  include = c(),
  exclude = c(),
```

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```
na = NA,
data_year = NULL
)
```

Arguments

data The data that should be joined to a US map. This parameter should be a data

frame consisting of two columns, a fips code (2 characters for state, 5 characters for county) and the value that should be associated with that region. The columns of data *must* be fips or state and the value of the values parameter.

If both fips and state are provided, this function uses the fips.

values The name of the column that contains the values to be associated with a given

region. The default is "values".

include The regions to include in the resulting map. If regions is "states"/"state",

the value can be either a state name, abbreviation or FIPS code. For counties, the FIPS must be provided as there can be multiple counties with the same name. If states are provided in the county map, only counties in the included states will

be returned.

exclude The regions to exclude in the resulting map. If regions is "states"/"state",

the value can be either a state name, abbreviation or FIPS code. For counties, the FIPS must be provided as there can be multiple counties with the same name. The regions listed in the include parameter are applied first and the exclude regions are then removed from the resulting map. Any excluded regions not

present in the included regions will be ignored.

The value to be inserted for states or counties that don't have a value in data.

This value must be of the same type as the value column of data.

data_year The year for which to obtain map data. If the value is NULL, the most recent

year's data is used. If the provided year is not found from the available map data sets, the next most recent year's data is used. This can be used if an older data set is being plotted on the US map so that the data matches the map more accurately. Therefore, the provided value should match the year of the plotted

data set. The default is NULL, i.e. the most recent available year is used.

Value

A data frame composed of the map data frame (from us_map()) except an extra column containing the values in data is included.

The result can be plotted using ggplot2::ggplot() or plot_usmap().

See Also

```
plot_usmap()
```

Examples

```
state_data <- data.frame(fips = c("01", "02", "04"), values = c(1, 5, 8)) df <- map_with_data(state_data, na = 0)
```

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```
state_data \leftarrow data.frame(state = c("AK", "CA", "Utah"), values = c(6, 9, 3)) df \leftarrow map_with_data(state_data, na = 0)
```

plot_usmap

Conveniently plot basic US map

Description

Conveniently plot basic US map

Usage

```
plot_usmap(
  regions = c("states", "state", "counties", "county"),
  include = c(),
  exclude = c(),
  data = data.frame(),
  values = "values",
  theme = theme_map(),
  labels = FALSE,
  label_color = "black",
  data_year = NULL,
  ...
)
```

Arguments

regions

The region breakdown for the map, can be one of ("states", "state", "counties", "county"). The default is "states".

include

The regions to include in the resulting map. If regions is "states"/"state", the value can be either a state name, abbreviation or FIPS code. For counties, the FIPS must be provided as there can be multiple counties with the same name. If states are provided in the county map, only counties in the included states will be returned.

exclude

The regions to exclude in the resulting map. If regions is "states"/"state", the value can be either a state name, abbreviation or FIPS code. For counties, the FIPS must be provided as there can be multiple counties with the same name. The regions listed in the include parameter are applied first and the exclude regions are then removed from the resulting map. Any excluded regions not present in the included regions will be ignored.

data

A data frame containing values to plot on the map. This parameter should be a data frame consisting of two columns, a FIPS code (2 characters for state, 5 characters for county) and the value that should be associated with that region. The columns of data *must* be fips or state and the value of the values parameter.

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values The name of the column that contains the values to be associated with a given

region. The default is "value".

theme The theme that should be used for plotting the map. The default is theme_map

from ggthemes.

labels Whether or not to display labels on the map. Labels are not displayed by default.

label_color The color of the labels to display. Corresponds to the color option in the

ggplot2::aes() mapping. The default is "black". Click here for more color

options.

data_year The year for which to obtain map data. If the value is NULL, the most recent

year's data is used. If the provided year is not found from the available map data sets, the next most recent year's data is used. This can be used if an older data set is being plotted on the US map so that the data matches the map more accurately. Therefore, the provided value should match the year of the plotted

data set. The default is NULL, i.e. the most recent available year is used.

Other arguments to pass to ggplot2::aes(). These are often aesthetics, used to set an aesthetic to a fixed value, like color = "red" or linewidth = 3. They affect the appearance of the polygons used to render the map (for example fill color, line color, line thickness, etc.). If any of color/colour, fill, or linewidth are not specified they are set to their default values of color="black",

fill="white", and linewidth=0.4.

Value

A ggplot2::ggplot object that contains a basic US map with the described parameters. Since the result is a ggplot object, it can be extended with more ggplot2::Geom layers, scales, labels, themes, etc.

See Also

```
usmap, ggplot2::theme()
```

Examples

```
plot_usmap()
plot_usmap(regions = "states")
plot_usmap(regions = "counties")
plot_usmap(regions = "state")
plot_usmap(regions = "county")

# Output is ggplot object so it can be extended
# with any number of ggplot layers
library(ggplot2)
plot_usmap(include = c("CA", "NV", "ID", "OR", "WA")) +
    labs(title = "Western States")

# Color maps with data
plot_usmap(data = statepop, values = "pop_2022")

# Include labels on map (e.g. state abbreviations)
```

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```
plot_usmap(data = statepop, values = "pop_2022", labels = TRUE)
# Choose color for labels
plot_usmap(data = statepop, values = "pop_2022", labels = TRUE, label_color = "white")
```

statepop

Population estimates (2022), state level

Description

US census population estimates by state for 2022.

The data is formatted for easy merging with output from us_map().

Usage

```
data(statepop)
```

Format

A data frame with 52 rows and 4 variables.

Details

- fips The 2-digit FIPS code corresponding to the state.
- abbr The 2-letter state abbreviation.
- full The full state name.
- pop_2022 The 2022 population estimate (in number of people) for the corresponding state.

References

- https://www.census.gov/programs-surveys/popest.html
- https://www.ers.usda.gov/data-products/county-level-data-sets

statepov 19

statepov

Poverty percentage estimates (2021), state level

Description

US census poverty percentage estimates by state for 2021.

The data is formatted for easy merging with output from us_map().

Usage

```
data(statepov)
```

Format

A data frame with 51 rows and 4 variables.

Details

- fips The 2-digit FIPS code corresponding to the state.
- abbr The 2-letter state abbreviation.
- full The full state name.
- pct_pov_2021 The 2021 poverty estimate (in percent of state population) for the corresponding state

References

- https://www.census.gov/topics/income-poverty/poverty.html
- https://www.ers.usda.gov/data-products/county-level-data-sets

usmap

usmap: US maps including Alaska and Hawaii

Description

It is usually difficult or inconvenient to create US maps that include both Alaska and Hawaii in a convenient spot. All map data presented in this package uses the US National Atlas Equal Area projection.

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Map data

Alaska and Hawaii have been manually moved to a new location so that their new coordinates place them to the bottom-left corner of the map. These maps can be accessed by using the us_map() function.

The function provides the ability to retrieve maps with either state borders or county borders using the regions parameter for convenience.

States (or counties) can be included and excluded using the provided include and exclude parameters. These parameters can be used together with any combination of names, abbreviations, or FIPS code to create more complex maps.

FIPS lookup tools

Several functions have been included to lookup the US state or county pertaining to a FIPS code.

Likewise a reverse lookup can be done where a FIPS code can be used to retrieve the associated states or counties. This can be useful when preparing data to be merged with the map data frame.

Plot US map data

A convenience function plot_usmap() has been included which takes similar parameters to us_map() and returns a ggplot2::ggplot2 object. Since the output is a ggplot object, other layers can be added such as scales, themes, and labels. Including data in the function call will color the map according to the values in the data, creating a choropleth.

Transforming data

It is also possible to add spatial data to the map, in the form of either data frames or simple features (sf::sf) objects. If necessary, the data can be transformed to be in the same coordinate reference system as usmap by using usmap_transform() and then plotted using ggplot2::geom_sf().

Author(s)

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- Email: <dilorenzo@hey>
- GitHub: https://github.com/pdil/

References

Rudis, Bob. "Moving The Earth (well, Alaska & Hawaii) With R." Blog post. Rud.is., 16 Nov. 2014. Web. 10 Aug. 2015. https://rud.is/b/2014/11/16/moving-the-earth-well-alaska-hawaii-with-r/.

See Also

Helpful links:

• FIPS code information https://en.wikipedia.org/wiki/FIPS_county_code https://en.wikipedia.org/wiki/FIPS_state_code usmap_crs 21

• US Census Shapefiles

• Map Features

```
https://en.wikipedia.org/wiki/Map_projection
https://en.wikipedia.org/wiki/Equal-area_projection
https://en.wikipedia.org/wiki/Choropleth
https://epsg.io/9311 (US National Atlas Equal Area)
```

usmap_crs

usmap coordinate reference system

Description

This coordinate reference system (CRS) represents the canonical projection used by the usmap package. It can be used to transform shape files, spatial points, spatial data frames, etc. to the same coordinate representation that is used by the plot_usmap function.

Usage

```
usmap_crs()
```

usmap_transform

Convert spatial data to usmap projection

Description

Converting a spatial object of map coordinates will allow those points to line up with the regular usmap plot by applying the same US National Atlas Equal Area projection (including Alaska and Hawaii of course) to those points as well.

The input data is assumed to contain longitude and latitude coordinates by default. If this is not the case, provide an sf::st_crs object to the crs parameter with the appropriate coordinate reference system.

```
usmap_transform(data, ...)
## S3 method for class 'sf'
usmap_transform(data, ...)
## S3 method for class 'data.frame'
usmap_transform(data, ..., input_names = c("lon", "lat"), output_names = NULL)
```

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Arguments

data A data frame containing coordinates in a two column format where the first column represents longitude and the second data frame represents latitude. The names of the data frame column do not matter, just that the order of the columns is kept intact. Additional parameters passed onto sf::st_as_sf. By default, crs = sf::st_crs(4326) is used, implying longitude and latitude coordinates. A character vector of length two which specifies the longitude and latitude input_names columns of the input data (the ones that should be transformed), respectively. Only required if the input data is a data. frame object. Defaults to c("lon", "lat"). output_names Defunct, this parameter is no longer used. The output of this function will have a column named "geometry" with the transformed coordinates. This parameter may be removed in a future version.

Value

An sf object containing the transformed coordinates from the input data frame with the US National Atlas Equal Area projection applied. The transformed columns will be appended to the data frame so that all original columns should remain intact.

Examples

```
data <- data.frame(
  lon = c(-74.01, -95.36, -118.24, -87.65, -134.42, -157.86),
  lat = c(40.71, 29.76, 34.05, 41.85, 58.30, 21.31),
  pop = c(8398748, 2325502, 3990456, 2705994, 32113, 347397)
)

# Transform data
transformed_data <- usmap_transform(data)

# Plot transformed data on map
library(ggplot2)

plot_usmap() + geom_sf(
  data = transformed_data,
  aes(size = pop),
  color = "red", alpha = 0.5
)</pre>
```

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Description

Major rivers in the United States.

The data is can be transformed with usmap_transform(). Once the Shape strings are transformed, it can be added to plot_usmap() using a ggplot2::geom_sf() layer.

Usage

```
data(usrivers)
```

Format

A simple features (sf) data frame with 55 rows and 5 variables.

Details

- NAME The name of the river.
- SYSTEM The system the river belongs to.
- MILES The length of the river in miles.
- Shape_Length The length of the river in the coordinate system.
- Shape The MULTILINESTRING features depicting the river, for plotting.

References

- https://www.arcgis.com/home/item.html?id=290e4ab8a07f4d2c8392848d011add32#!
- Sources: Esri; Rand McNally; Bartholemew and Times Books; Digital Chart of the World (DCW), U.S. National Geospatial-Intelligence Agency (NGA); i-cubed

us_map

Retrieve US map data

Description

Retrieve US map data

```
us_map(
  regions = c("states", "state", "counties", "county"),
  include = c(),
  exclude = c(),
  data_year = NULL
)
```

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Arguments

regions The region breakdown for the map, can be one of ("states", "state", "counties",

"county"). The default is "states".

include The regions to include in the resulting map. If regions is "states"/"state",

the value can be either a state name, abbreviation or FIPS code. For counties, the FIPS must be provided as there can be multiple counties with the same name. If states are provided in the county map, only counties in the included states will

be returned.

exclude The regions to exclude in the resulting map. If regions is "states"/"state",

the value can be either a state name, abbreviation or FIPS code. For counties, the FIPS must be provided as there can be multiple counties with the same name. The regions listed in the include parameter are applied first and the exclude regions are then removed from the resulting map. Any excluded regions not

present in the included regions will be ignored.

data_year The year for which to obtain map data. If the value is NULL, the most recent

year's data is used. If the provided year is not found from the available map data sets, the next most recent year's data is used. This can be used if an older data set is being plotted on the US map so that the data matches the map more accurately. Therefore, the provided value should match the year of the plotted

data set. The default is NULL, i.e. the most recent available year is used.

Value

A data frame of US map coordinates divided by the desired regions.

See Also

```
usmapdata::us_map() of which this function is a wrapper for.
```

Examples

```
str(us_map())

df <- us_map(regions = "counties")
west_coast <- us_map(include = c("CA", "OR", "WA"))

south_atl_excl_FL <- us_map(include = .south_atlantic, exclude = "FL")</pre>
```

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