Package ‘usmapdata’

March 8, 2024

Title  Mapping Data for 'usmap' Package
Version  0.2.2
Description  Provides a container for data used by the 'usmap' package.
            The data used by 'usmap' has been extracted into this package so that the
            file size of the 'usmap' package can be reduced greatly. The data in this
            package will be updated roughly once per year as new map data files are
            provided by the US Census Bureau.
Depends  R (>= 3.5.0)
License  GPL (>= 3)
Encoding  UTF-8
Language  en-US
URL  https://usmap.dev
BugReports  https://github.com/pdil/usmapdata/issues
Imports  rlang, sf
Suggests  covr, dplyr, testthat (>= 3.0.0)
RoxygenNote  7.3.1
Config/testthat/edition  3
NeedsCompilation  no
Author  Paolo Di Lorenzo [aut, cre]
Maintainer  Paolo Di Lorenzo <dilorenzo@hey.com>
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centroid_labels  Retrieve centroid labels

**Description**
Retrieve centroid labels

**Usage**
```
centroid_labels(regions = c("states", "counties"), as_sf = TRUE)
```

**Arguments**
- **regions**
  The region breakdown for the map, can be one of ("states", "counties", as specified by the internal file names. The default is "states".
- **as_sf**
  Defunct, this parameter no longer has any effect and will be removed in the future.

**Value**
An `sf` data frame of state or county centroid labels and positions relative to the coordinates returned by the `us_map` function.

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fips_data  Retrieve state and county FIPS codes

**Description**
Retrieve state and county FIPS codes

**Usage**
```
fips_data(regions = c("states", "state", "counties", "county"), as_sf = TRUE)
```

**Arguments**
- **regions**
  The region breakdown for the map, can be one of ("states", "state", "counties", "county"). The default is "states".
- **as_sf**
  Defunct, this parameter no longer has any effect and will be removed in the future.

**Value**
An data frame of FIPS codes of the desired regions.
Examples

```r
str(fips_data())
state_fips <- fips_data()
county_fips <- fips_data(regions = "counties")
```

Description

It is usually difficult or inconvenient to create US maps that include both Alaska and Hawaii in a convenient spot. All map data frames produced by this package use the Albers Equal Area projection.

Map data frames

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 such that all other states (or counties) are excluded using the `include` parameter.

Author(s)

Paolo Di Lorenzo

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

References


See Also

Helpful links:

- US Census Shapefiles  
- Map Features  
  https://en.wikipedia.org/wiki/Map_projection  
  https://epsg.io/9311
us_map

Retrieve US map data

Description
Retrieve US map data

Usage

```r
us_map(
  regions = c("states", "state", "counties", "county"),
  include = c(),
  exclude = c(),
  as_sf = TRUE
)
```

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.
- **as_sf**: Defunct, this parameter no longer has any effect and will be removed in the future.

Value
An `sf` data frame of US map coordinates divided by the desired regions.

Examples

```r
str(us_map())

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

excl_west_coast <- us_map(exclude = c("CA", "OR", "WA"))
```
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