Package 'choroplethrMaps'

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Type Package

Title Contains Maps Used by the 'choroplethr' Package

Version 1.0.1

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Description Contains 3 maps. 1) US States 2) US Counties 3) Countries of the
world.

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URL <http://www.arilamstein.com/open-source>

Suggests ggplot2

NeedsCompilation no

Repository CRAN

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R topics documented:

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| country.map | *A world map* |

Description

This data.frame corresponds to version 2.0.0 of the "Admin 0 - Countries" map from naturalearth-data.com The data.frame was modified by removing columns with non-ASCII characters. Also, I added a column called "region" which is the the all lowercase version of the column "sovereignt".

Usage

```
data(country.map)
```

Details

Note that due to the resolution of the map (1:110m, or 1 cm=1,100 km), small countries are not represented on this map. See ?country.names for a list of all countries represented on the map.

References

Taken from http://www.naturalearthdata.com/downloads/110m-cultural-vectors/

Examples

```
## Not run:
# render the map with ggplot2
library(ggplot2)

data(country.map)
ggplot(country.map, aes(long, lat, group=group)) + geom_polygon()

## End(Not run)
```

| country.regions | *Names of all regions on the country.map data.frame. A data.frame that includes both English names and their iso2c equivalents.* |

Description

Names of all regions on the country.map data.frame. A data.frame that includes both English names and their iso2c equivalents.

Usage

```
data(country.regions)
```

Examples

```
data(country.regions)
head(country.regions)
```

---

county.map	*Map of the counties of each of the 50 US states plus the district of columbia.*

Description

A data.frame which contains a map of all 50 US States plus the District of Columbia. The shapefile was modified using QGIS in order to 1) remove Puerto Rico 2) remove islands off of Alaska that crossed the antimeridian 3) renamed the county "Dona Ana" (which is properly written with a tilde over the first "n") to "Dona Ana" because R CMD check emits a warning if data contains non-ASCII characters 4) some columns were added for convenience.

Usage

```
data(county.map)
```

References

Taken from the US Census 2010 Cartographic Boundary shapefiles page (https://www.census.gov/geo/maps-data/data/tiger-cart-boundary.html) in May 2014. The resolutions is 20m (20m = 1:20,000,000).

Examples

```
## Not run:
# render the map with ggplot2
library(ggplot2)

data(county.map)
ggplot(county.map, aes(long, lat, group=group)) + geom_polygon()

## End(Not run)
```

---

county.regions	*A data.frame consisting of the name of each region in the map county.map as well as their FIPS codes and state names.*

Description

choroplethr requires you to use the naming convention in the "region" column (i.e. the numeric version of the FIPS code - no leading zero).

Usage

```
data(county.regions)
```

See Also

?county.map

Examples

```
data(county.regions)
head(county.regions)
```

---

state.map   *Map of the 50 US states plus the district of columbia.*

Description

A data.frame which contains a map of all 50 US States plus the District of Columbia. The shapefile was modified using QGIS in order to 1) remove Puerto Rico and 2) remove islands off of Alaska that crossed the antimeridian 3) renamed column "STATE" to "region".

Usage

```
data(state.map)
```

References

Taken from the US Census 2010 Cartographic Boundary shapefiles page (https://www.census.gov/geo/maps-data/data/tiger-cart-boundary.html) in May 2014. The resolutions is 20m (20m = 1:20,000,000).

Examples

```
## Not run:
# render the map with ggplot2
library(ggplot2)

data(state.map)
ggplot(state.map, aes(long, lat, group=group)) + geom_polygon()

## End(Not run)
```

---

state.regions	*A data.frame consisting of each region on the map state.map plus their postal code abbreviations and FIPS codes.*

Description

choroplethr requires you to use the naming convention in the "region" column (i.e. all lowercase, full name).

Usage

```
data(state.regions)
```

References

Taken from http://www.epa.gov/envirofw/html/codes/state.html

Examples

```
data(state.regions)
head(state.regions)
```

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