Package 'rUnemploymentData'

January 19, 2017

Title Data and Functions for USA State and County Unemployment Data

Description Contains data and visualization functions for USA unemployment
data. Data comes from the US Bureau of Labor Statistics (BLS). State data
is in ?df_state_unemployment and covers 2000-2013. County data is in
?df_county_unemployment and covers 1990-2013. Choropleth maps of the data
can be generated with ?state_unemployment_choropleth() and
?county_unemployment_choropleth() respectively.

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Author Ari Lamstein <ari@lamsteinconsulting.com>

Maintainer Ari Lamstein <ari@lamsteinconsulting.com>

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

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Imports stringr, choroplethr, rvest

Suggests choroplethrMaps, testthat

RoxygenNote 5.0.1

NeedsCompilation no

Repository CRAN

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R topics documented:

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animated_county_unemployment_choropleth

Create an animated choropleth of US County Unemployment Data

Description

Data comes from ?df_county_unemployment. The choropleth is rendered with the function ?state_choropleth in the choroplethr package. Note that this command will write files to your local file system - see ?choroplethr_animate in the choroplethr package for details.

Usage

```
animated_county_unemployment_choropleth()
```

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animated_state_unemployment_choropleth

Create an animated choropleth of US State Unemployment Data

Description

Data comes from ?df_state_unemployment. The choropleth is rendered with the function ?state_choropleth in the choroplethr package. Note that this command will write files to your local file system - see ?choroplethr_animate in the choroplethr package for details.

Usage

```
animated_state_unemployment_choropleth()
```

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build_county_df   *Build the data object ?df_county_unemployment*

Description

This function is included to allow you to verify the integrity of ?df_county_unemployment. This will scrape the Bureau of Labor Statistics Website to get the data.

Usage

```
build_county_df()
```

build_state_df	*Build the data object ?df_state_unemployment*

Description

This function is included to allow you to verify the integrity of ?df_state_unemployment. This will scrape the Bureau of Labor Statistics Website to get the data.

Usage

```
build_state_df()
```

county_unemployment_choropleth	
	Render a Choropleth Map of US County Unemployment Rates

Description

Data comes from ?df_county_unemployment. The choropleth is rendered with the function ?county_choropleth in the choroplethr package.

Usage

```
county_unemployment_choropleth(year = 2013, num_colors = 7, zoom = NULL)
```

Arguments

year	The year of data to use. Must be between 1990 and 2013.
num_colors	The number of colors on the map. A value of 1 will use a continuous scale. A value in [2, 9] will use that many colors.
zoom	An optional vector of states to zoom in on. Elements of this vector must exactly match the names of states as they appear in the "region" column of ?state.regions in the choroplethrMaps package.

df_county_unemployment

A data.frame Containing US County Unemployment Rates

Description

Contains annualized data from 1990-2013. Data comes from the US Bureau of Labor Statistics (BLS) Local Area Unemployment Statistics (LAUS) webpage: http://www.bls.gov/lau/. The "region" column contains the numeric version of the County FIPS Code.

Usage

```
data(df_county_unemployment)
```

Author(s)

Ari Lamstein

References

Created via build_county_df() on January 4, 2015.

Examples

```
data(df_county_unemployment)

head(df_county_unemployment)
boxplot(df_county_unemployment[, c(-1, -2, -3)],
        main="USA County Unemployment Data",
        xlab="Year",
        ylab="Percent Unemployment")

## Not run:
county_unemployment_choropleth(year=2013)

## End(Not run)
```

df_state_unemployment   *A data.frame containing US State Unemployment Rates*

Description

Contains annualized data from 2000-2013. Data comes from the US Bureau of Labor Statistics (BLS) Local Area Unemployment Statistics (LAUS) webpage: http://www.bls.gov/lau/.

Usage

```
data(df_state_unemployment)
```

Author(s)

Ari Lamstein

References

Created via build_state_df() on January 4, 2015.

Examples

```
data(df_state_unemployment)

head(df_state_unemployment)
boxplot(df_state_unemployment[, -1],
        main="USA State Unemployment Data",
        xlab="Year",
        ylab="Percent Unemployment")

## Not run:
state_unemployment_choropleth(year=2013)

## End(Not run)
```

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get_county_unemployment_df

Get county level unemployment data from the BLS website

Description

Data is scraped from the US Bureau of Labor Statistics (BSL) webpage. This function is included to allow you to verify the integrity of ?df_county_unemployment.

Usage

```
get_county_unemployment_df(year)
```

Arguments

year   The year of the data you want. Must bet between 1990 and 2013

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get_state_unemployment_df

Get state unemployment data from the US Bureau of Labor Statistics (BLS) website

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Description

This function is included to allow you to verify the integrity of ?df_state_unemployment.

Usage

```
get_state_unemployment_df(year = 2013)
```

Arguments

year   A year (integer) between 2000 and 2013

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state_unemployment_choropleth

Render Choropleth Map of US State Unemployment Rates

Description

Data comes from ?df_state_unemployment. The choropleth is rendered with the function ?state_choropleth in the choroplethr package.

Usage

```
state_unemployment_choropleth(year = 2013, num_colors = 7, zoom = NULL)
```

Arguments

year	The year of data to use. Must be between 2000 and 2013.
num_colors	The number of colors on the map. A value of 1 will use a continuous scale. A value in [2, 9] will use that many colors.
zoom	An optional vector of states to zoom in on. Elements of this vector must exactly match the names of states as they appear in the "region" column of ?state.regions in the choroplethrMaps package.

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