Package ‘tilegramsR’

October 14, 2022

Type Package
Title R Spatial Data for Tilegrams
Version 0.2.0
Description R spatial objects for Tilegrams.
Tilegrams are tiled maps where the region size is proportional to
the certain characteristics of the dataset.
License MIT + file LICENSE
Encoding UTF-8
LazyData true
Depends R (>= 3.1.0), sf
Imports sp
Suggests dplyr, tidyr, knitr, rmarkdown, leaflet (>= 1.1.0),
VignetteBuilder knitr
URL https://github.com/bhaskarvk/tilegramsR
BugReports https://github.com/bhaskarvk/tilegramsR/issues
RoxygenNote 6.0.1
NeedsCompilation no
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Repository CRAN
Date/Publication 2017-03-29 17:43:16 UTC

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Description

A ‘sf’ object where each polygon represents a state
A ‘sf’ object of centroids of each state

Usage

sf_Datamap.io.tilegram

sf_Datamap.io.tilegram.centers

Format

sf

Examples

## Not run:
library(leaflet)
library(tilegramsR)
data <- sf_Datamap.io.tilegram
leaflet(data,
options=leafletOptions(crs=leafletCRS("L.CRS.Simple"))) %>%
addPolygons()

## End(Not run)
**sf_DKOS_50_State_OuterHex_Tilemap_v1**

Description

A ‘sf’ object where each polygon represents a state
A ‘sf’ object where each polygon represents a state
A ‘sf’ object of centroids of each state

Usage

sf_DKOS_50_State_OuterHex_Tilemap_v1
sf_DKOS_50_State_InnerHex_Tilemap_v1
sf_DKOS_50_State_Hex_Tilemap_v1.centers

Format

sf

**sf_DKOS_CD_Hexmap_v1.1**

Description

A ‘sf’ object where each polygon equals one congressional district
A ‘sf’ object where each polygon represents a state
A ‘sf’ object of centroids of each state

Usage

sf_DKOS_CD_Hexmap_v1.1
sf_DKOS_CD_Hexmap_v1.1.states
sf_DKOS_CD_Hexmap_v1.1.centers

Format

sf
Examples

## Not run:
library(leaflet)
library(tilegramsR)
data <- sf_DKOS_CD_Hexmap_v1.1
leaflet(data,
  options=leafletOptions(crs=leafletCRS("L.CRS.Simple"))) %>%
  addPolygons()
## End(Not run)

Description

A `sf` object where each polygon represents a state
A `sf` object of centroids of each state

Usage

sf_DKOS_Distorted_Electoral_College_Map_v1

sf_DKOS_Distorted_Electoral_College_Map_v1.centers

Format

sf

Examples

## Not run:
library(leaflet)
library(tilegramsR)
data <- sf_DKOS_Distorted_Electoral_College_Map_v1
leaflet(data,
  options=leafletOptions(crs=leafletCRS("L.CRS.Simple"))) %>%
  addPolygons()
## End(Not run)
Description

A `sf` object where each polygon equals one electoral college
A `sf` object where each polygon represents a state
A `sf` object of centroids of each state

Usage

```r
sf_DKOS_Electoral_College_Map_v1
sf_DKOS_Electoral_College_Map_v1.states	sf_DKOS_Electoral_College_Map_v1.centers
```

Format

`sf`

Examples

```r
## Not run:
library(leaflet)
library(tilegramsR)
data <- sf_DKOS_Electoral_College_Map_v1
leaflet(data,
  options=leafletOptions(crs=leafletCRS("L.CRS.Simple"))) %>%
  addPolygons()
## End(Not run)
```

Description

A `sf` object where each polygon equals one electoral vote
A `sf` object where each polygon represents a state
A `sf` object of centroids of each state
Usage

sf_FiveThirtyEightElectoralCollege
sf_FiveThirtyEightElectoralCollege.states
sf_FiveThirtyEightElectoralCollege.centers

Format

sf

Examples

## Not run:
library(leaflet)
library(tilegramsR)
data <- sf_FiveThirtyEightElectoralCollege
leaflet(data,
options=leafletOptions(crs=leafletCRS("L.CRS.Simple"))) %>%
addPolygons()

## End(Not run)

---

sf_france_all_regions_population

Description

A ‘sf’ object for regions of France including overseas.
A ‘sf’ object of regional boundaries of each French region.
A ‘sf’ object of centroids of each French region.

Usage

sf_france_all_regions_population
sf_france_all_regions_population.regions
sf_france_all_regions_population.centers

Format

An object of class sf (inherits from data.frame) with 18 rows and 4 columns.
Description

A ‘sf’ object for departments of France.
A ‘sf’ object of centroids of each French department.

Usage

sf_france_departments
sf_france_departments.centers

Format

An object of class sf (inherits from data.frame) with 96 rows and 4 columns.

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Description

A ‘sf’ object for regions of France
A ‘sf’ object of regional boundaries of each French region.
A ‘sf’ object of centroids of each French region.

Usage

sf_france_regions_population
sf_france_regions_population.regions
sf_france_regions_population.centers

Format

An object of class sf (inherits from data.frame) with 13 rows and 4 columns.
sf_germany_constituencies

sf_germany_constituencies

Description

A ‘sf’ object for regions of Germany
A ‘sf’ object of centroids of each German region.

Usage

sf_germany_constituencies
sf_germany_constituencies.centers

Format

An object of class sf (inherits from data.frame) with 299 rows and 4 columns.

sf_NPR.DemersCartogram

sf_NPR.DemersCartogram

Description

A ‘sf’ object where each polygon represents a state
A ‘sf’ object of centroids of each state

Usage

sf_NPR.DemersCartogram
sf_NPR.DemersCartogram.centers

Format

sf
Examples

```
## Not run:
library(leaflet)
library(tilegramsR)
data <- sf_NPR.DemersCartogram
leaflet(data,
       options=leafletOptions(crs=leafletCRS("L.CRS.Simple"))) %>%
   addPolygons()

## End(Not run)
```

Description

A `sf` object where each polygon represents a state

A `sf` object of centroids of each state

Usage

```
sf_NPR1to1

sf_NPR1to1.centers
```

Format

`sf`

Examples

```
## Not run:
library(leaflet)
library(tilegramsR)
data <- sf_NPR1to1
leaflet(data,
       options=leafletOptions(crs=leafletCRS("L.CRS.Simple"))) %>%
   addPolygons()

## End(Not run)
```
Description

A ‘sf’ object where each polygon equals 500K people
A ‘sf’ object where each polygon represents a state
A ‘sf’ object of centroids of each state

Usage

```
sf_Pitch_US_Population_2016_v1
sf_Pitch_US_Population_2016_v1.states
sf_Pitch_US_Population_2016_v1.centers
```

Format

```
sf
```

Examples

```
## Not run:
library(leaflet)
library(tilegramsR)
data <- sf_Pitch_US_Population_2016_v1
leaflet(data,
   options=leafletOptions(crs=leafletCRS("L.CRS.Simple"))) %>%
   addPolygons()

## End(Not run)
```

Description

A ‘sf’ object where each polygon represents a state
A ‘sf’ object of centroids of each state

Usage

```
sf_WP
sf_WP.centers
```
Examples

```r
## Not run:
library(leaflet)
library(tilegramsR)
data <- sf_WP
leaflet(data,
       options=leafletOptions(crs=leafletCRS("L.CRS.Simple"))) %>%
   addPolygons()
## End(Not run)
```

---

### sf_WSJ

**Description**

A ‘sf’ object where each polygon represents a state

A ‘sf’ object of centroids of each state

**Usage**

sf_WSJ

sf_WSJ.centers

**Format**

sf

**Examples**

```r
## Not run:
library(leaflet)
library(tilegramsR)
spdf <- sf_WSJ
leaflet(spdf) %>% addPolygons()
## End(Not run)
```
Description

Tilegrams are tiled maps where the region size is proportional to the certain characteristics of the dataset. This package provides several such tilegrams as simple feature (sf) objects.
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