

Package: tilegramsR (via r-universe)

February 24, 2025

Type Package

Title R Spatial Data for Telegrams

Version 0.2.9000

Description R spatial objects for Telegrams. Telegrams are tiled maps where the region size is proportional to the certain characteristics of the dataset.

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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>,
<https://bhaskarvk.github.io/tilegramsR/>

BugReports <https://github.com/bhaskarvk/tilegramsR/issues>

RoxygenNote 6.0.1

Config/pak/sysreqs libgdal-dev gdal-bin libgeos-dev libssl-dev
libproj-dev libsqlite3-dev libudunits2-dev

Repository <https://bhaskarvk.r-universe.dev>

RemoteUrl <https://github.com/bhaskarvk/tilegramsr>

RemoteRef HEAD

RemoteSha 09b86496cca55880c0f2d8a844f2f0b1359b5dea

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sf_Datamap.io.tilegram
<i>sf_Datamap.io.tilegram</i>

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``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``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)
```

```
sf_DKOS_Distorted_Electoral_College_Map_v1
  sf_DKOS_Distorted_Electoral_College_Map_v1
```

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)
```

```
sf_DKOS_Electoral_College_Map_v1
  sf_DKOS_Electoral_College_Map_v1
```

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

```
sf_DKOS_Electoral_College_Map_v1

sf_DKOS_Electoral_College_Map_v1.states

sf_DKOS_Electoral_College_Map_v1.centers
```

Format

```
sf
```

Examples

```
## 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)
```

```
sf_FiveThirtyEightElectoralCollege
  sf_FiveThirtyEightElectoralCollege
```

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
      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.

sf_france_departments	<i>sf_france_departments</i>
-----------------------	------------------------------

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.

sf_france_regions_population	<i>sf_france_regions_population</i>
------------------------------	-------------------------------------

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)
```

sf_NPR1to1

*sf_NPR1to1***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)
```

```
sf_Pitch_US_Population_2016_v1
      sf_Pitch_US_Population_2016_v1
```

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)
```

```
sf_WP      sf_WP
```

Description

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

Usage

```
sf_WP

sf_WP.centers
```

Format

sf

Examples

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

## End(Not run)
```

sf_WSJ

*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

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

## End(Not run)
```

`tilegramsR`*tilegramsR*

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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