Package: tabularmaps (via r-universe)

November 16, 2026

Title Create Tile-Grid Geographical Maps

Version 0.1.0.9000

Description The 'tabularmap' is one of the visualization methods for efficiently displaying data consisting of multiple elements by tiling them. When dealing with geospatial, it corrects for differences in visibility between areas.

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URL https://github.com/uribo/tabularmaps

BugReports https://github.com/uribo/tabularmaps/issues

Depends R (>= 3.3.0)

Imports ggforce (>= 0.3.2), ggplot2 (>= 3.3.0), purrr (>= 0.3.4), rlang (>= 0.4.7)

Suggests countrycode, zipangu, knitr, rmarkdown, testthat (>= 2.1.0)

Encoding UTF-8

LazyData true

RoxygenNote 7.1.1

Roxygen list(markdown = TRUE)

VignetteBuilder knitr

Config/pak/sysreqs libfontconfig1-dev libfreetype6-dev

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`iso3166` *Country list*

Description

A data frame include ISO-3166 codes.

Usage

```
iso3166
```

Format

A data frame with 250 rows 8 variables:

- country_name:
- continent:
- region:
- iso2c:
- iso3c:
- iso3n: 3 digits number (as character)
- x: Coordinates for displaying as tabularmap
- y: Coordinates for displaying as tabularmap

jpn77 *Japan 7x7 grid dataset*

Description

Prefectures dataset.

Usage

```
jpn77
```

Format

A data frame with 47 rows 8 variables:

- jis_code: jis code
- prefecture: prefecture names
- region: region
- major_island:
- prefecture_kanji:
- region_kanji:
- x: Coordinates for displaying as tabularmap
- y: Coordinates for displaying as tabularmap

scale_fill_jpregion *Coloring the tabularmaps by region in Japan*

Description

Custom ggplot2 scale for tabulamap.

Usage

```
scale_fill_jpregion(lang, ...)
```

Arguments

lang	Select whether the region variable is Japanese (jp) or English (en).
...	all other arguments passed on to ggplot2::scale_fill_manual()

tabularmap *Create Tile-Grid*

Description

A ggplot2-based tabularmap that places a coordinated dataset in a rectangle.

Usage

```
tabularmap(
  data,
  x,
  y,
  group,
  fill = NULL,
  label = NULL,
  ...,
  .expand_size = 10,
  .radius_size = 2
)
```

Arguments

data	data.frame. Contain x, y, group and label variables used as coordinates.
x, y	A column containing the numbers to line up the items.
group	Group variable.
fill	Fill colour variable.
label	Label variable.
...	All other arguments passed on to ggplot2::geom_text() include label family.
.expand_size	The value specified in the expand argument of ggforce::geom_shape(). The unit is in mm.
.radius_size	The value specified in the radius argument of ggforce::geom_shape(). The unit is in pt.

Examples

```
library(ggplot2)
tabularmap(jpn77, x, y, group = jis_code, label = prefecture, size = 3)
tabularmap(jpn77, x, y, group = jis_code, fill = region, label = prefecture, size = 3) +
  theme_tabularmap() +
  scale_fill_jpregion(lang = "en")
tabularmap(data.frame(
             id = letters[seq.int(9)],
             x = rep(c(1,2,3), each = 3),
             y = rep(c(1,2,3), times = 3),
             fill = seq.int(9),
```

```
            label = letters[seq.int(9)]),
  x, y,
  group = id,
  fill = fill,
  label = label,
  .expand_size = 20, .radius_size = 10)
tabularmap(iso3166, x, y, group = iso2c,
           fill = continent,
           label = iso2c,
           .expand_size = 5) +
  theme_tabularmap() +
  guides(fill = FALSE)
```

`theme_tabularmap` *Tabularmap theme*

Description

Custom ggplot2 theme for tabulamap.

Usage

```
theme_tabularmap(...)
```

Arguments

`...`	all other arguments passed on to `ggplot2::theme_minimal()`

`tky23` *Special wards of Tokyo*

Description

Tokyo 23 wards dataset.

Usage

```
tky23
```

Format

A data frame with 23 rows 5 variables:

- no: Identifical number
- ward: Name
- ward_kanji: Names in Kanji
- x, y: Coordinates for displaying as tabularmap

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