Package 'roughsf'

May 9, 2026

Title Visualize Spatial Data using 'roughjs'

Version 1.0.0

Description Draw maps using the 'javascript' library 'roughjs'. This allows to draw sketchy, hand-drawn-like maps.

URL https://github.com/schochastics/roughsf

BugReports https://github.com/schochastics/roughsf/issues

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Encoding UTF-8

RoxygenNote 7.2.1

Imports htmlwidgets, jsonlite, sf

Suggests pagedown

NeedsCompilation no

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Repository CRAN

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Contents

roughsf *Create a rough map*

Description

plot a sf map using rough.js

Usage

```
roughsf(
  layers,
  roughness = 1,
  bowing = 1,
  simplification = 1,
  font = "30px Arial",
  title = NULL,
  title_font = "30px Arial",
  caption = NULL,
  caption_font = "30px Arial",
  width = NULL,
  height = NULL,
  elementId = NULL,
  chunk_name = "canvas"
)
```

Arguments

layers	an sf object or a list of sf object. each object should only contain one type of geometry.
roughness	numeric vector for roughness of lines
bowing	numeric vector for bowing of lines
simplification	simplify drawings (remove points from objects)
font	font size and font family for labels
title	optional title of the map
title_font	font size and font family for title
caption	optional caption of the map
caption_font	font size and font family for caption
width	width
height	height
elementId	DOM id
chunk_name	markdown specific

Details

The following attributes are supported for POLYGONS:

- *fill* fill color
- *color* stroke color
- *stroke* stroke size
- *fillstyle* one of "hachure", "solid", "zigzag", "cross-hatch", "dots", "dashed", "zigzag-line"
- *fillweight* thickness of fillstyle (between 0 and 1)
- *hachureangle* angle of hachure lines
- *hachuregap* gap between two hachure lines

The following attributes are supported for LINESTRINGS:

- *color* stroke color
- *stroke* stroke size

The following attributes are supported for POINTS:

- *color* color of point
- *size* size of point
- *label* label to be added (optional)
- *label_pos* position of label relative to point: (c)enter, (n)orth, (e)ast, (s)outh, (w)est (optional)

Default values are used if one of the attributes is not found.

The result of a roughsf call can be printed to file with `save_roughsf()`

Value

htmlwidget containing the drawn network

References

More details on roughjs can be found on https://github.com/rough-stuff/rough/wiki

Examples

```
library(sf)
demo(nc, ask = FALSE, echo = FALSE)
nc_poly <- st_cast(nc,"POLYGON",warn = FALSE)
roughsf(nc_poly)
```

save_roughsf *Save roughsf plot to file*

Description

Save roughsf plot to file

Usage

```
save_roughsf(rsf, file, background = "white", wait = 4)
```

Arguments

rsf	result from calling the function roughsf
file	filename
background	string giving the html background color
wait	time in seconds to wait for page load

Value

No return value, called for side effect

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