

# Package: ggrough2 (via r-universe)

May 24, 2026

**Title** Hand-Drawn Rendering for 'ggplot2' via SVG and 'Rough.js'

**Version** 0.0.0.9000

**Description** Converts 'ggplot2' plots to sketch-style graphics by rendering to SVG with 'svglite' and post-processing the result with 'svg2rough.js'.

**License** MIT + file LICENSE

**Encoding** UTF-8

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.3.2

**Imports** base64enc, htmlwidgets, svglite, systemfonts, knitr

**Suggests** chromote, webshot2

**URL** <https://github.com/schochastics/ggrough2>

**BugReports** <https://github.com/schochastics/ggrough2/issues>

**Config/pak/sysreqs** cmake libfontconfig1-dev libfreetype6-dev libfribidi-dev make libharfbuzz-dev libicu-dev libpng-dev libuv1-dev

**Repository** <https://schochastics.r-universe.dev>

**Date/Publication** 2026-03-15 17:30:10 UTC

**RemoteUrl** <https://github.com/schochastics/ggrough2>

**RemoteRef** HEAD

**RemoteSha** cf2e8cb8028169057e786d071833b83ef7fb8a90

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add_google_font	<i>Add a Google Font for use with rough_plot()</i>
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### Description

Downloads a font from Google Fonts and caches it locally so that `rough_plot(p, font = family)` can embed it. Requires an internet connection on first use; subsequent calls for the same family are instant.

### Usage

```
add_google_font(name, family = name)
```

### Arguments

name	Google Fonts name, e.g. "Dancing Script".
family	Font family name to use later in <code>rough_plot()</code> . Defaults to name.

### Value

The family name, invisibly.

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rough_options	<i>Rough.js drawing options</i>
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### Description

Constructs a list of optional Rough.js parameters to pass to `rough_plot()`. All arguments default to NULL, meaning the Rough.js library default is used.

### Usage

```
rough_options(  
  fill_weight = NULL,  
  hachure_angle = NULL,  
  hachure_gap = NULL,  
  curve_step_count = NULL,  
  curve_fitting = NULL,  
  stroke_line_dash = NULL,  
  stroke_line_dash_offset = NULL,  
  fill_line_dash = NULL,  
  fill_line_dash_offset = NULL,  
  disable_multi_stroke = NULL,  
  disable_multi_stroke_fill = NULL,  
  simplification = NULL,
```

```

dash_offset = NULL,
dash_gap = NULL,
zigzag_offset = NULL,
preserve_vertices = NULL
)

```

### Arguments

**fill\_weight** Width of hachure lines (numeric). For "dots" fill style, this is the dot diameter. Defaults to half the stroke width.

**hachure\_angle** Angle of hachure lines in degrees (numeric). Default: -41.

**hachure\_gap** Average gap in pixels between hachure lines (numeric). Default: 4× stroke width.

**curve\_step\_count** Number of points used to approximate curves (ellipses, arcs). Default: 9.

**curve\_fitting** How closely rendered dimensions match specified dimensions for curves (0–1). Default: 0.95.

**stroke\_line\_dash** Dashed stroke pattern — a numeric vector of dash/gap lengths (e.g. c(5, 10)). Does not affect fill hachure.

**stroke\_line\_dash\_offset** Phase offset for dashed strokes (numeric).

**fill\_line\_dash** Like `stroke_line_dash` but affects fill patterns.

**fill\_line\_dash\_offset** Like `stroke_line_dash_offset` but for fills.

**disable\_multi\_stroke** Logical. If TRUE, only a single stroke pass is used (less sketchy). Default: FALSE.

**disable\_multi\_stroke\_fill** Logical. If TRUE, single stroke for hachure fill lines. Default: FALSE.

**simplification** Simplify SVG paths by this factor (0–1). 0 = no simplification. Useful for giving complex paths a sketchy feel.

**dash\_offset** Nominal dash length (px) for "dashed" fill style. Defaults to `hachure_gap`.

**dash\_gap** Nominal gap between dashes (px) for "dashed" fill style. Defaults to `hachure_gap`.

**zigzag\_offset** Nominal width of zigzag triangles (px) for "zigzag-line" fill style. Defaults to `hachure_gap`.

**preserve\_vertices** Logical. If TRUE, endpoint positions of lines and curves are not randomised. Default: FALSE.

### Value

A named list suitable for the `options` argument of `rough_plot()`.

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 rough\_plot

*Render a ggplot as a hand-drawn sketch*


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### Description

Render a ggplot as a hand-drawn sketch

### Usage

```
rough_plot(
  plot,
  width = 7,
  height = 5,
  roughness = 1.5,
  bowing = 1,
  fill_style = "hachure",
  bg_fill_style = "solid",
  seed = NULL,
  preserve_text = TRUE,
  font = "IndieFlower",
  options = rough_options()
)
```

### Arguments

plot	A ggplot object.
width, height	Plot size in inches.
roughness	Rough.js roughness parameter.
bowing	Rough.js bowing parameter.
fill_style	Rough.js fill style for data elements (geoms).
bg_fill_style	Rough.js fill style for background elements (panel/plot backgrounds). Defaults to "solid". Use the same value as fill_style to apply a uniform style to everything.
seed	Optional seed for deterministic randomness.
preserve_text	Keep text unchanged.
font	Font family name to use for text labels, or NULL to leave the plot's original fonts unchanged. Defaults to "IndieFlower", the bundled hand-drawn font. Any system font name (e.g. "Arial") works directly. For Google Fonts, first call <a href="#">add_google_font()</a> .
options	A list of additional Rough.js drawing options, typically created with <a href="#">rough_options()</a> . Controls parameters such as fill_weight, hachure_angle, hachure_gap, simplification, etc.

### Value

An htmlwidget.

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save_rough_html	<i>Save a roughened plot as HTML</i>
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**Description**

Save a roughened plot as HTML

**Usage**

```
save_rough_html(plot, file, ...)
```

**Arguments**

plot	A ggplot object.
file	Output HTML file.
...	Passed to <code>rough_plot()</code> .

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save_rough_image	<i>Export a roughened plot as an SVG or PNG file</i>
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**Description**

Renders the plot in a headless browser so the Rough.js sketch is fully drawn before the image is captured. Requires the **webshot2** package and a local Chrome/Chromium installation.

**Usage**

```
save_rough_image(plot, file, ..., delay = 2, vwidth = 992, vheight = 744)
```

**Arguments**

plot	A ggplot object.
file	Output file path. Extension must be <code>.svg</code> or <code>.png</code> .
...	Additional arguments passed to <code>rough_plot()</code> .
delay	Seconds to wait after page load before capturing. Increase if the output is blank or partially rendered.
vwidth, vheight	Browser viewport dimensions in pixels.

**Value**

file, invisibly.

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