

Package: inlinesvg (via r-universe)

May 21, 2026

Title Insert plots and SVG as inline content into Quarto and R Markdown

Version 0.0.0.9000

Description Render plots as SVG content and insert this or other SVG content into Quarto and R Markdown output as inline content.

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Encoding UTF-8

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Imports cli, grDevices, htmltools, rlang, svglite, xml2

Suggests ggplot2

URL <https://mattkerlogue.github.io/inlinesvg/>,
<https://github.com/mattkerlogue/inlinesvg>

BugReports <https://github.com/mattkerlogue/inlinesvg/issues>

Config/Needs/website rmarkdown

Config/pak/sysreqs libfontconfig1-dev libfreetype6-dev libfribidi-dev libharfbuzz-dev libicu-dev libpng-dev libxml2-dev

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

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inline_svg_file	<i>Insert SVG file as inline content</i>
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Description

Inserts the content of the SVG file as inline SVG content, i.e. into the body of the resulting HTML.

Usage

```
inline_svg_file(
  path,
  id = NULL,
  role = NULL,
  alt_title = NULL,
  alt_description = NULL,
  source_note = NULL,
  strip_ns = TRUE,
  dimensions = c("preserve", "strip", "replace"),
  width = NULL,
  height = NULL,
  units = NULL
)
```

Arguments

path	Path to the SVG file
id	An id value for the SVG element within the HTML document (optional)
role	The ARIA role for the SVG element (optional)
alt_title	A short title for assistive technology users (optional)
alt_description	A longer description for assistive technology users (optional)
source_note	Text to include in a containing <div> as a source or reference note below the image.
strip_ns	Whether to remove the XML DTD
dimensions	Whether to 'preserve' dimensions defined in the SVG tag, to 'strip' them or 'replace' them with provided values
width	The width of the SVG element (optional)
height	The height of the SVG element (optional)
units	The units for width and height (optional)

Details

In Quarto and R Markdown documents inserting SVG images via standard image markdown (e.g. `![alt_text](img.svg)`) or HTML `` tags results in an SVG that is rendered as an image and cannot be interacted with by the user (e.g. selecting text), nor can elements be modified by CSS. `inline_svg_file()` takes the content of an SVG file and inserts it as inline SVG content within the body of the rendered HTML document.

Optionally an element `id` can be specified (if not provided one will be created), if provided will overwrite any existing `'id'` attribute encoded in the SVG object.

A `source_note` can be provided that will be included after the image, it has the class "svg-source-note" for styling with CSS and an id starting with "svg-source-note-" and then using the supplied or generated id.

`svglite::svglite()` encodes the width and height (in points) of the object into the `<svg>` tag (in addition to the `viewBox` declaration), this can cause issues for responsive scaling of plots. The `dimensions` argument can "preserve" any existing dimensions (the default), "strip" the dimensions removing them from the tag, or "replace" them with new dimensions supplied using the `width`, `height` and `units` arguments.

Value

An `htmltools::HTML()` object

plot

Render plots as SVG and insert as inline content

Description

A wrapper to `svglite::svglite()` for saving plots as SVG files and inserting as `inline_content`.

Usage

```
svg_plot(
  plot,
  path = NULL,
  width,
  height,
  units = c("px", "pt", "cm", "mm", "in"),
  overwrite = TRUE,
  standalone = TRUE,
  ...
)
```

```
inline_svg_plot(
  plot,
  path = NULL,
  width,
  height,
```

```

units = c("px", "pt", "cm", "mm", "in"),
overwrite = NULL,
alt_title = NULL,
alt_description = NULL,
source_note = NULL,
id = NULL,
explicit_size = FALSE,
standalone = FALSE,
...
)

```

Arguments

plot	A graphics object to plot.
path	A file path to save the SVG plot to (optional).
width	Width of the output plot.
height	Height of the output plot.
units	Units used for width and height.
overwrite	Should files be overwritten (default is TRUE)
standalone	Whether <code>svglite::svglite()</code> should omit the XML DTD header and namespace info (default is FALSE).
...	Arguments passed on to <code>svglite::svglite()</code> .
alt_title	Short alt text to include in the inline SVG (optional).
alt_description	Long-form alt text to include in the inline SVG (optional).
source_note	Text to include in a containing <code><div></code> as a source or reference note below the image.
id	An id for referencing the SVG within the HTML/CSS (optional)
explicit_size	Whether the inline <code><svg></code> tag should explicitly include the dimensions of the plot (default is FALSE).

Details

`svg_plot()` is a wrapper around the `svglite::svglite()` graphics device that simplifies its use for saving plots. Compared to `svglite::svglite()` users do not need to manually active and deactivate the graphics device, users can also specify width and height in dimensions other than inches.

`inline_svg_plot()` combines `svg_plot()` with `inline_svg_file()` to insert the plot as inline SVG content within a Quarto or R Markdown document.

Unless otherwise specified the chart is rendered to SVG via a temporary file, this path is returned invisibly from `svg_plot()`. If re-using plots elsewhere it is advised to use an explicit path name and use `inline_svg_file()` to re-insert the SVG content rather than rely on the temporary path provided by `svg_plot()`.

An id for the inline SVG can be provided for so that it is directly accessible via HTML or CSS (e.g. for linking or styling).

A `source_note` can be used to insert text immediately after the SVG image

Alt text

The `alt_title` and `alt_description` allow for the insertion of alt text into the SVG content, `alt_title` is intended for short descriptions and `alt_description` for longer-form descriptions. If the supplied plot is a `ggplot2::ggplot()` object and no alt text is supplied then the plot object will be inspected for alt text, if the alt text is 150 characters or less it will be used for `alt_title` but if longer it will be used for `alt_description`.

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