

Package ‘ggsnap’

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Title Save a 'ggplot2' Plot using '+' Operator

Version 0.1.2

Description Provides ggsnap(), which saves a 'ggplot2' plot to disk in a '+' chain, acting as a thin, chainable wrapper around ggplot2::ggsave(). Can be called multiple times in a chain to save different snapshots.

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Imports ggplot2

Suggests testthat (>= 3.0.0), png, rlang, glue, spelling

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ggsnap

*Save a ggplot2 plot using the + operator***Description**

`ggsnap()` saves a `ggplot2` plot to disk inside a `+` chain, rather than requiring a separate `ggplot2::ggsave()` call. It accepts the same arguments as `ggplot2::ggsave()`.

The plot is returned invisibly so the chain can continue — meaning `ggsnap()` can be used multiple times in a single chain to capture intermediate states.

`ggsave_snap()` is an alias provided for discoverability.

Usage

```
ggsnap(
  filename,
  width = NA,
  height = NA,
  units = c("in", "cm", "mm", "px"),
  dpi = 300,
  ...
)

ggsave_snap(
  filename,
  width = NA,
  height = NA,
  units = c("in", "cm", "mm", "px"),
  dpi = 300,
  ...
)
```

Arguments

<code>filename</code>	File name to create on disk.
<code>width, height</code>	Plot size in units expressed by the <code>units</code> argument. If not supplied, uses the size of the current graphics device.
<code>units</code>	One of the following units in which the width and height arguments are expressed: "in", "cm", "mm" or "px".
<code>dpi</code>	Plot resolution. Also accepts a string input: "retina" (320), "print" (300), or "screen" (72). Only applies when converting pixel units, as is typical for raster output types.
<code>...</code>	Arguments passed on to <code>ggplot2::ggsave</code>
<code>device</code>	Device to use. Can either be a device function (e.g. png), or one of "eps", "ps", "tex" (pictex), "pdf", "jpeg", "tiff", "png", "bmp", "svg" or "wmf" (windows only). If NULL (default), the device is guessed based on the filename extension.

path Path of the directory to save plot to: path and filename are combined to create the fully qualified file name. Defaults to the working directory.

scale Multiplicative scaling factor.

limitsize When TRUE (the default), ggsave() will not save images larger than 50x50 inches, to prevent the common error of specifying dimensions in pixels.

bg Background colour. If NULL, uses the plot.background fill value from the plot theme.

create.dir Whether to create new directories if a non-existing directory is specified in the filename or path (TRUE) or return an error (FALSE, default). If FALSE and run in an interactive session, a prompt will appear asking to create a new directory when necessary.

Value

The ggplot object, invisibly.

Examples

```
library(ggplot2)

save_dir <- tempdir()

# Single use
ggplot(mtcars) +
  aes(mpg, wt) +
  geom_point() +
  labs(title = "Cars") +
  ggsnap(file.path(save_dir, "cars.png"), width = 6, height = 4)

# Two snapshots capturing before and after changing the theme
ggplot(mtcars) +
  aes(mpg, wt) +
  geom_point() +
  labs(title = "Cars") +
  ggsnap(file.path(save_dir, "base.png")) +
  theme_minimal() +
  ggsnap(file.path(save_dir, "minimal.png"))
```

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