

Package ‘gggrid’

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Type Package

Title Draw with 'grid' in 'ggplot2'

Version 0.2-0

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Description An extension of 'ggplot2' that makes it easy to add raw 'grid' output, such as customised annotations, to a 'ggplot2' plot.

Depends grid, ggplot2

Suggests knitr, rmarkdown, vline

URL <https://github.com/pmur002/gggrid>,<https://stattech.wordpress.fos.auckland.ac.nz/2021/05/31/2021-01-accessing-grid-from-ggplot2/>

VignetteBuilder knitr

License GPL-3

NeedsCompilation no

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`grid_panel`*Add a **grid** Layer.*

Description

Adds a layer to a **ggplot2** plot based on a raw **grid** grob or on a function that generates a 'grid' grob.

Usage

```
grid_panel(grob = nullGrob(),
           mapping = NULL, data = NULL, stat = "identity",
           position = "identity", inherit.aes = TRUE,
           show.legend = FALSE, key_glyph = NULL,
           debug = NULL, ...)
grid_group(grob = nullGrob(),
           mapping = NULL, data = NULL, stat = "identity",
           position = "identity", inherit.aes = TRUE,
           show.legend = FALSE, key_glyph = NULL,
           debug = NULL, ...)
```

Arguments

<code>grob</code>	Either a grid grob or a function. The function must accept two arguments (data and coords) and must return a grid grob.
<code>mapping</code> , <code>data</code> , <code>stat</code> , <code>position</code> , <code>inherit.aes</code>	Standard arguments to a ggplot2 Geom.
<code>debug</code>	Either NULL or a function. The function must accept two arguments (data and coords) and will usually just print debugging output of some kind.
<code>show.legend</code>	Logical indicating whether grob should contribute to the legend.
<code>key_glyph</code>	A function to draw the key glyph in the legend.
<code>...</code>	Other arguments passed on to <code>ggplot2::layer()</code> .

Details

The `grid_panel()` function will draw the grob, or call the grob function, once for each **ggplot2** panel.

The `grid_group()` function will draw the grob, or call the grob function, once for each **ggplot2** group.

Note

When adding a `key_glyph`, the call to `grid_panel()` or `grid_group()` must include an explicit mapping.

Author(s)

Paul Murrell

Examples

```
tg <- textGrob("label",  
              x=unit(1, "npc") - unit(2, "mm"),  
              y=unit(1, "npc") - unit(2, "mm"),  
              just=c("right", "top"))  
ggplot(mtcars) +  
  geom_point(aes(displacement, mpg)) +  
  grid_panel(tg)
```

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