

# Package ‘ggScatRidges’

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**Type** Package

**Title** Scatter Plot Combined with Ridgelines in 'ggplot2'

**Version** 0.1.0

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**Maintainer** Matthieu Bourgery <matthieu.bourgery@gmail.com>

**Imports** ggplot2, cowplot, ggpubr, ggribes, viridis, hrbthemes

**Description** The function combines a scatter plot with ridgelines to better visualise the distribution between sample groups. The plot is created with 'ggplot2'.

**License** GPL-3

**URL** <https://github.com/matbou85/ggScatRidges>,

**BugReports** <https://github.com/matbou85/ggScatRidges/issues>

**Encoding** UTF-8

**RoxygenNote** 7.2.3

**NeedsCompilation** no

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**Repository** CRAN

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ggScatRidges

*Scatter Plot Combine with Ridgelines*


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### Description

‘ggScatRidges’ is a simple function combining a scatter plot generated in ‘ggplot2’ to a ridgeline plot from ‘ggridges’ to visualise the disparities of the data points. This helps visualising the distribution of different groups in the data.

### Usage

```
ggScatRidges(
  x,
  y = NULL,
  xlab = NULL,
  ylab = NULL,
  title = NULL,
  xlim = NULL,
  ylim = NULL,
  group = NULL,
  color = "lancet",
  ridges = TRUE,
  size = 15,
  draw = TRUE
)
```

### Arguments

x	As input data. If a dataframe was provided, the dataframe should contain no less than three columns. If no dataframe was supplied, a x vector should be set as an input. The vector should #' contain numerical values.
y	As input data. If no dataframe was provided, a y vector should be set as an input along with a x vector. The vector should contain numerical values.
xlab	To give a title for the xlab can be given here.
ylab	To give a title for the ylab can be given here.
title	To give a title for the plot can be given here.
xlim	To set scale limits on the xaxis.
ylim	To set scale limits on the yaxis.
group	The user should provide here the grouping of the rows if a dataframe was provided, otherwise a vector.
color	The user can choose from ‘ggpubr::get_palette’. Default = "lancet".
ridges	The user can choose to plot, or not, the ridgelines. Default = TRUE.
size	The overall size of the text in the plot. Default = 15.
draw	If the user wants to directly draw the plot. Default = TRUE.

**Value**

A ggplot object if draw set to 'TRUE' otherwise a grob table is returned but set to invisible.

**Examples**

```
# The following example is based on the iris dataset:
```

```
## Example 1
```

```
ggScatRidges(x = iris$Sepal.Length, y = iris$Sepal.Width, group= iris$Species,  
             color = "lancet", ridges = TRUE, title = "plot iris",  
             xlab = "Sepal.Length", ylab = "Sepal.Width", size = 15, draw = TRUE)
```

```
## Example 2
```

```
iris2 <- iris[,c(1,2,5)] ## The 1st column will be used as 'x', 2nd as 'y', and the 3rd as 'group'.  
ggScatRidges(x = iris2,  
             color = "lancet", ridges = TRUE, title = "plot iris",  
             xlab = "Sepal.Length", ylab = "Sepal.Width", size = 15, draw = TRUE)
```

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