

Package ‘scatr’

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Type Package

Title Create Scatter Plots with Marginal Density or Box Plots

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Description Allows you to make clean, good-looking scatter plots with the option to easily add marginal density or box plots on the axes. It is also available as a module for 'jamovi' (see <<https://www.jamovi.org>> for more information). 'Scatr' is based on the 'cowplot' package by Claus O. Wilke and the 'ggplot2' package by Hadley Wickham.

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Encoding UTF-8

LazyData true

Depends R (>= 3.2)

Imports jmvcore (>= 0.8.0), R6, ggplot2, cowplot, ggstance, ggriidges

RoxygenNote 6.0.1

URL <https://github.com/raviselker/scatr>

BugReports <https://github.com/raviselker/scatr/issues>

NeedsCompilation no

Repository CRAN

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 scat

Scatterplot

Description

Function for making clean, good looking scatter plots with the option to add marginal density or box plots.

Usage

```
scat(data, x, y, group = NULL, marg = "none", line = "none", se = FALSE)
```

Arguments

data	the data as a data frame
x	a string naming the variable from data that contains the x coordinates of the points in the plot, variable must be numeric
y	a string naming the variable from data that contains the y coordinates of the points in the plot, variable must be numeric
group	a string naming the variable from data that represents the grouping variable
marg	none (default), dens, or box, provide respectively no plots, density plots, or box plots on the axes
line	none (default), linear, or smooth, provide respectively no regression line, a linear regression line, or a smoothed regression line
se	TRUE or FALSE (default), show the standard error for the regression line

Value

A results object containing:

results\$scat	a scatter plot
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Examples

```
set.seed(1337)

X <- rnorm(100)
Y <- 0.5*X + rnorm(100)
dat <- data.frame(X = X, Y = Y)

scat(dat, x = 'X', y = 'Y', line = 'linear', se = TRUE, marg = 'dens')
```

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