

Package ‘starry’

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Type Package

Title Explore Data with Plots and Tables

Version 0.1.2

Description Provides modular functions and applications for quickly generating plots and tables. Each modular function opens a graphical user interface providing the user with options to create and customise plots and tables.

URL <https://joe-chelladurai.github.io/starry/>

BugReports <https://github.com/joe-chelladurai/starry/issues>

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Encoding UTF-8

Imports bslib, car, corrr, dplyr, ggplot2, magrittr, stringr, shiny, shinyjs, shinyWidgets

RoxygenNote 7.2.1

Suggests knitr, rmarkdown

NeedsCompilation no

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Contents

plot_bar	2
plot_box	3
plot_density	5
plot_histogram	6
plot_line	7
plot_scatter	9
stat_anova	10

stat_correlation 11

stat_frequency 11

stat_regression_linear 12

stat_ttest 13

Index 14

plot_bar	<i>Plot - Bar</i>
----------	-------------------

Description

Plot - Bar

Usage

```
plot_bar(  
  data,  
  y,  
  bar_width,  
  fill,  
  outline,  
  position,  
  labels,  
  row,  
  prop,  
  column,  
  theme,  
  title,  
  subtitle,  
  xlab,  
  ylab,  
  caption,  
  code  
)
```

Arguments

data	data
y	variable on y axis
bar_width	width of bar
fill	fill
outline	outline
position	position of bars
labels	data labels
row	facet row in grid

prop	proportion
column	facet column in grid
theme	theme of plot
title	title of plot
subtitle	subtitle of plot
xlab	x-axis
ylab	y-axis label
caption	caption
code	add custom code

Value

No return value. This function is called for the side effect of launching a shiny application.

Examples

```
if (interactive()) {  
  plot_bar(mtcars)  
}
```

plot_box

Plot - Box

Description

Plot - Box

Usage

```
plot_box(  
  data,  
  x,  
  y,  
  theme,  
  box_width,  
  fill,  
  outline,  
  row,  
  column,  
  width,  
  height,  
  title,  
  subtitle,  
  xlab,  
  ylab,
```

```
caption,  
show_code,  
code  
)
```

Arguments

data	data
x	variable on x axis
y	variable on y axis
theme	theme of plot
box_width	width of box
fill	fill
outline	outline
row	facet row in grid
column	facet column in grid
width	width of plot
height	height of plot
title	title of plot
subtitle	subtitle of plot
xlab	x-axis
ylab	y-axis label
caption	caption
show_code	show the generated code TRUE or FALSE, (default TRUE)
code	add custom code

Value

No return value. This function is called for the side effect of launching a shiny application.

Examples

```
if (interactive()) {  
  plot_box(mtcars)  
}
```

plot_density	<i>Plot - Density</i>
--------------	-----------------------

Description

Plot - Density

Usage

```
plot_density(  
  data,  
  xvar,  
  fill,  
  outline,  
  row,  
  column,  
  height,  
  width,  
  theme,  
  title,  
  subtitle,  
  caption,  
  xlab,  
  ylab,  
  code,  
  show_code  
)
```

Arguments

data	data
xvar	xvar
fill	fill
outline	outline
row	facet row in grid
column	facet column in grid
height	height of plot
width	width of plot
theme	theme
title	title of plot
subtitle	subtitle of plot
caption	caption
xlab	x-axis

ylab	y-axis label
code	additional code
show_code	show/hide code

Value

No return value. This function is called for the side effect of launching a shiny application.

Examples

```
if (interactive()) {
  plot_density(mtcars)
}
```

plot_histogram	<i>Plot - Histogram</i>
----------------	-------------------------

Description

Plot - Histogram

Usage

```
plot_histogram(
  data,
  xvar,
  fill,
  outline,
  row,
  column,
  width,
  height,
  title,
  subtitle,
  xlab,
  ylab,
  caption,
  theme,
  code,
  show_code
)
```

Arguments

data	data
xvar	xvar
fill	fill

outline	outline
row	facet row in grid
column	facet column in grid
width	width of plot
height	height of plot
title	title of plot
subtitle	subtitle of plot
xlab	x-axis
ylab	y-axis label
caption	caption
theme	theme
code	additional code
show_code	show/hide code

Value

No return value. This function is called for the side effect of launching a shiny application.

Examples

```
if (interactive()) {
  plot_histogram(mtcars)
}
```

plot_line	<i>Plot - Line</i>
-----------	--------------------

Description

Plot - Line

Usage

```
plot_line(
  data,
  xvar,
  yvar,
  theme,
  group,
  attr,
  code,
  row,
  column,
  width,
```

```
    height,  
    title,  
    subtitle,  
    xlab,  
    ylab,  
    caption,  
    show_code  
  )
```

Arguments

data	data
xvar	xvar
yvar	yvar
theme	theme
group	group
attr	attr
code	additional code
row	facet row in grid
column	facet column in grid
width	width of plot
height	height of plot
title	title of plot
subtitle	subtitle of plot
xlab	x-axis
ylab	y-axis label
caption	caption
show_code	show/hide code

Value

No return value. This function is called for the side effect of launching a shiny application.

Examples

```
if (interactive()) {  
  plot_line(mtcars)  
}
```

plot_scatter	<i>Plot - Scatter</i>
--------------	-----------------------

Description

Plot - Scatter

Usage

```
plot_scatter(  
  data,  
  xvar,  
  yvar,  
  color,  
  shape,  
  size,  
  row,  
  column,  
  title,  
  subtitle,  
  caption,  
  xlab,  
  ylab,  
  theme  
)
```

Arguments

data	data
xvar	x
yvar	y
color	color
shape	shape
size	size
row	row
column	column
title	title
subtitle	subtitle
caption	caption
xlab	x axis label
ylab	y axis label
theme	theme

Value

No return value. This function is called for the side effect of launching a shiny application.

Examples

```
if (interactive()) {
  plot_scatter(mtcars)
}
```

stat_anova	<i>Stat - Anova</i>
------------	---------------------

Description

Stat - Anova

Usage

```
stat_anova(data, xvar, yvar, code, show_code)
```

Arguments

data	data
xvar	xvar
yvar	yvar
code	additional code
show_code	show/hide code

Value

No return value. This function is called for the side effect of launching a shiny application.

Examples

```
if (interactive()) {
  stat_regression_linear(mtcars)
}
```

stat_correlation	<i>Stat - Correlation</i>
------------------	---------------------------

Description

Stat - Correlation

Usage

```
stat_correlation(data, xvar, code, show_code)
```

Arguments

data	data
xvar	list of variables
code	additional code
show_code	show/hide code

Value

No return value. This function is called for the side effect of launching a shiny application.

Examples

```
if (interactive()) {  
  stat_frequency(mtcars)  
}
```

stat_frequency	<i>Stat - Frequency</i>
----------------	-------------------------

Description

Stat - Frequency

Usage

```
stat_frequency(data, xvar, show_code)
```

Arguments

data	data
xvar	variable
show_code	show/hide code

Value

No return value. This function is called for the side effect of launching a shiny application.

Examples

```
if (interactive()) {  
  stat_frequency(mtcars)  
}
```

`stat_regression_linear`*Stat - Linear Regression*

Description

Stat - Linear Regression

Usage

```
stat_regression_linear(data, xvar, yvar, code, show_code)
```

Arguments

<code>data</code>	data
<code>xvar</code>	xvar
<code>yvar</code>	yvar
<code>code</code>	additional code
<code>show_code</code>	show/hide code

Value

No return value. This function is called for the side effect of launching a shiny application.

Examples

```
if (interactive()) {  
  stat_regression_linear(mtcars)  
}
```

stat_ttest	<i>Stat - T-test</i>
------------	----------------------

Description

Stat - T-test

Usage

```
stat_ttest(data, xvar, yvar, group, test, show_code)
```

Arguments

data	data
xvar	xvar
yvar	yvar
group	groups
test	type of t-test
show_code	show/hide code

Value

No return value. This function is called for the side effect of launching a shiny application.

Examples

```
if (interactive()) {  
  stat_ttest(mtcars)  
}
```

Index

plot_bar, [2](#)
plot_box, [3](#)
plot_density, [5](#)
plot_histogram, [6](#)
plot_line, [7](#)
plot_scatter, [9](#)

stat_anova, [10](#)
stat_correlation, [11](#)
stat_frequency, [11](#)
stat_regression_linear, [12](#)
stat_ttest, [13](#)