

# Package: starry (via r-universe)

October 25, 2024

**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>

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

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

**RoxygenNote** 7.2.1

**Suggests** knitr, rmarkdown

**Repository** <https://joe-chelladurai.r-universe.dev>

**RemoteUrl** <https://github.com/joe-chelladurai/starry>

**RemoteRef** HEAD

**RemoteSha** c283ffc8487f5cc8dd0a1e5c0825bd09791c16d3

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

## 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`*Plot - Density*

---

**Description**

Plot - Density

**Usage**

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

**Arguments**

<code>data</code>	data
<code>xvar</code>	xvar
<code>fill</code>	fill
<code>outline</code>	outline
<code>row</code>	facet row in grid
<code>column</code>	facet column in grid
<code>height</code>	height of plot
<code>width</code>	width of plot
<code>theme</code>	theme
<code>title</code>	title of plot
<code>subtitle</code>	subtitle of plot
<code>caption</code>	caption
<code>xlab</code>	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>
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---

**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

*Plot - Line*

---

**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`*Plot - Scatter*

---

**Description**

Plot - Scatter

**Usage**

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

**Arguments**

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

*Stat - Anova*

---

**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>
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---

**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**

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_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)  
}
```

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