

Package ‘batR’

May 1, 2023

Title batR

Version 0.0.1

Description

R package for all the functions that I have made for working on my dissertation and other projects.

License License: MIT + file LICENSE

Encoding UTF-8

Roxygen list(markdown = TRUE)

Imports ggplot2, stopwords, dplyr, magrittr

RoxygenNote 7.2.3

NeedsCompilation no

Author Timothy Elder [aut, cre]

Maintainer Timothy Elder <timothyelder@uchicago.edu>

R topics documented:

blank_theme	2
describe	2
getmode	3
howmuch	3
ls2str	3
net2df	4
round_df	4
scatter_theme	5
te_pal	5
te_theme	5
twenty_twenty_three_pal	6
uc_primary_pal	6
uc_second_pal	6
uc_shade_pal	7
uc_tinted_pal	7
uc_violate_pal	7
viewpal	8
%!in%	8

Index	9
--------------	----------

blank_theme	<i>Blank X and Y Axes</i>
-------------	---------------------------

Description

Blank X and Y Axes

Usage

```
blank_theme
```

Format

An object of class theme (inherits from gg) of length 7.

describe	<i>Summarize a Dataframe</i>
----------	------------------------------

Description

I found this in some library called "psych".

Usage

```
describe(  
  x,  
  na.rm = TRUE,  
  interp = FALSE,  
  skew = TRUE,  
  ranges = TRUE,  
  trim = 0.1,  
  type = 3,  
  check = TRUE,  
  fast = NULL,  
  quant = NULL,  
  IQR = FALSE,  
  omit = FALSE,  
  data = NULL  
)
```

Arguments

x	A dataframe
---	-------------

`getmode`*Get Mode*

Description

Get the mode from a vector of values

Usage

```
getmode(v)
```

`howmuch`*Count Unique Values*

Description

Counts the unique values in a vector or vector like object such as a data frame.

Usage

```
howmuch(x)
```

Arguments

`x` A vector like object such as a list or data frame column

`ls2str`*List to String*

Description

Convert a list to a string with commas between list elements.

Usage

```
ls2str(x)
```

Arguments

`x` A list

Value

A string

net2df	<i>Calculate Network Statistics and Pack into DataFrame</i>
--------	---

Description

Calculates a number of network statistics and packs them all into a dataframe.

Usage

```
net2df(g)
```

Arguments

g	An igraph network object
---	--------------------------

Value

Dataframe with network statistics from network.

Examples

```
df <- net2df(g)
```

round_df	<i>Round Dataframe Values</i>
----------	-------------------------------

Description

Rounds the numeric columns in a data frame to the specified digit. Good for outputting tables in an RMarkdown document.

Usage

```
round_df(x, digits)
```

Arguments

x	A dataframe
digits	The number of digits to round to

Value

A dataframe with numeric columns rounded

Examples

```
df <- round_df(df)
```

scatter_theme	<i>Scatterplot Theme</i>
---------------	--------------------------

Description

A minimal Scatter plot theme for ggplot and sets font to Roboto

Usage

```
scatter_theme
```

Format

An object of class theme (inherits from gg) of length 5.

te_pal	<i>My Own Palette</i>
--------	-----------------------

Description

A random palette of colors that I put together that are all sort of blue. Probably not good for much of anything.

Usage

```
te_pal
```

Format

An object of class character of length 5.

te_theme	<i>General Purpose Plot Theme</i>
----------	-----------------------------------

Description

Use for plots in general to make them look better

Usage

```
te_theme
```

Format

An object of class theme (inherits from gg) of length 5.

twenty_twenty_three_pal
2023 Palette

Description

A palette of colors for 2023, includes "skyblue", "coral", "seafoam green", "mauve", and a slate grey. Good for visualizations.

Usage

twenty_twenty_three_pal

Format

An object of class character of length 5.

uc_primary_pal *University of Chicago Primary Colors*

Description

The Maroon and Grey of the University of Chicago

Usage

uc_primary_pal

Format

An object of class character of length 3.

uc_second_pal *University of Chicago Secondary Colors*

Description

Secondary palette from the graphic identity guidelines. Use this for all sorts of things, including visualizations.

Usage

uc_second_pal

Format

An object of class character of length 7.

`uc_shade_pal`*University of Chicago Shaded Colors*

Description

Shaded palette from the graphic identity guidelines. Use this for some darker colors from the secondary palette

Usage`uc_shade_pal`**Format**

An object of class character of length 6.

`uc_tinted_pal`*University of Chicago Tinted Colors*

Description

Tinted palette from the graphic identity guidelines. Use this for slightly different colors from the secondary palette.

Usage`uc_tinted_pal`**Format**

An object of class character of length 7.

`uc_violate_pal`*University of Chicago Secondary Colors*

Description

Violate palette from the graphic identity guidelines. use this for highlighting bad things.

Usage`uc_violate_pal`**Format**

An object of class character of length 2.

viewpal	<i>View Palette of Colors</i>
---------	-------------------------------

Description

View the palette of colors that you specify.

Usage

```
viewpal(x, ...)
```

Arguments

x A palette of colors in a vetor.

%!in%	<i>Negation</i>
-------	-----------------

Description

A "not in" operator for working with lists.

Usage

```
... %!in% NA
```

Examples

```
bad <- c("this", "that", "other_thing")
good <- c("this", "cat", "that", "dog", "other_thing", "bat")
good %!in% bad
```


Index

- * **datasets**
 - blank_theme, [2](#)
 - scatter_theme, [5](#)
 - te_pal, [5](#)
 - te_theme, [5](#)
 - twenty_twenty_three_pal, [6](#)
 - uc_primary_pal, [6](#)
 - uc_second_pal, [6](#)
 - uc_shade_pal, [7](#)
 - uc_tinted_pal, [7](#)
 - uc_violate_pal, [7](#)
- %
 - %
 - in%, [8](#)
- blank_theme, [2](#)
- describe, [2](#)
- getmode, [3](#)
- howmuch, [3](#)
- ls2str, [3](#)
- net2df, [4](#)
- round_df, [4](#)
- scatter_theme, [5](#)
- te_pal, [5](#)
- te_theme, [5](#)
- twenty_twenty_three_pal, [6](#)
- uc_primary_pal, [6](#)
- uc_second_pal, [6](#)
- uc_shade_pal, [7](#)
- uc_tinted_pal, [7](#)
- uc_violate_pal, [7](#)
- viewpal, [8](#)