Package 'batR'

November 17, 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.

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Encoding UTF-8

Roxygen list(markdown = TRUE)

Imports ggplot2, stopwords, dplyr, magrittr

RoxygenNote 7.2.3

NeedsCompilation no

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R topics documented:

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---

blank_theme   *Blank X and Y Axes*

Description

Blank X and Y Axes

Usage

```
blank_theme
```

Format

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

---

blue   *The Color Blue*

Description

Quick function for "blue". Saves two characters

Usage

```
blue
```

Format

An object of class character of length 1.

---

describe *Summarize a Dataframe*

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

---

inv.logit	*Inverse Logit*

Description

Returns odds ratio from logit

Usage

```
inv.logit(x)
```

---

logit2prob	*Logit to Progbability*

Description

Converts logits to probabilities

Usage

```
logit2prob(logit)
```

---

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

---

matrix2edges   *Edge list from Matrix*

Description

Creates an edge list from an adjacency matrix.

Usage

```
matrix2edges(mat, symmetric = TRUE, diagonal = FALSE, text = FALSE)
```

---

net2df   *Calculate Network Statistics and Pack into DataFrame*

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)
```

---

red   *The Color Red*

Description

Quick function for "red". Saves two characters

Usage

```
red
```

Format

An object of class `character` of length 1.

---

round_df   *Round Dataframe Values*

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 *Scatterplot Theme*

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.

---

state2abbr *Convert State to Abbreviation*

Description

Function to onvert state names to abbreviations

Usage

```
state2abbr(x)
```

---

te_pal *My Own Palette*

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   *General Purpose Plot Theme*

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   *View Palette of Colors*

Description

View the palette of colors that you specify.

Usage

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

Arguments

x   A palette of colors in a vector.

%!in%   *Negation*

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
```

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