

# Package ‘batR’

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**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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blank_theme	<i>Blank X and Y Axes</i>
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**Description**

Blank X and Y Axes

**Usage**

blank\_theme

**Format**

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

---

blue	<i>The Color Blue</i>
------	-----------------------

---

**Description**

Quick function for "blue". Saves two characters

**Usage**

blue

**Format**

An object of class character of length 1.

---

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

---

gen.mat.to.edge.list    *Edge list from Matrix*

---

**Description**

Creates an edge list from an adjacency matrix.

**Usage**

```
gen.mat.to.edge.list(mat, symmetric = TRUE, diagonal = FALSE, text = FALSE)
```

---

getmode                      *Get Mode*

---

**Description**

Get the mode from a vector of values

**Usage**

```
getmode(v)
```

---

howmuch	<i>Count Unique Values</i>
---------	----------------------------

---

**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	<i>Inverse Logit</i>
-----------	----------------------

---

**Description**

Returns odds ratio from logit

**Usage**

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

---

logit2prob	<i>Logit to Progbability</i>
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---

**Description**

Converts logits to probabilities

**Usage**

```
logit2prob(logit)
```

---

ls2str	<i>List to String</i>
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---

**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)
```

---

red	<i>The Color Red</i>
-----	----------------------

---

**Description**

Quick function for "red". Saves two characters

**Usage**

```
red
```

**Format**

An object of class character of length 1.

---

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>
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---

**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 vector.
---	----------------------------------

---

%!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
```

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