# Package 'mypackage'

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**Title** Demo Package as an Example

**Version** 0.0.0.9000

**Description** his package is used as a demo for a simple package for the course MATH 3190 at Southern Utah University.

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**URL** https://github.com/rbrown53/mypackage2

**Encoding** UTF-8

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.2.3

**Depends** R (>= 2.10),
ggplot2

**Imports** magrittr,
tidyverse

**LazyData** true

**Suggests** knitr,
rmarkdown

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**VignetteBuilder** knitr

## R topics documented:

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add       *This is my addition function*

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### Description

This is my addition function

### Usage

```
add(x, y)
```

### Arguments

| | |
|---|---|
| x | this is the first value to add |
| y | this is the second value to add |

### Value

This function returns the sum of x and y

### Examples

```
## Start with something simple
add(1,1)

## Now something more difficult
add(49,60)
```

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cranes       *Cranes Data Set*

---

### Description

This data set contains information on the number of cranes at Aransas National Wildlife Refuge in Austwell, Texas by year from 1938 to 2016.

### Usage

```
cranes
```

### Format

A data frame with 2 variables: cranes and year.

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ggraph *Create a quick scatter plot in ggplot.*

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## Description

This will graph two given vectors in a ggplot-style scatter plot with the x-axis labeled "x" and the y-axis labeled "y".

## Usage

```
ggraph(x, y, point_color = "black", point_size = 1.5, point_shape = 19)
```

## Arguments

| | |
|---|---|
| x | This is the first vector to be plotted. |
| y | This is the first vector to be plotted. |
| point_color | This is the color of the points that will be plotted. |
| point_size | This is the size of the points that will be plotted. The default is size 1.5. |
| point_shape | This is the shape of the points that will be plotted. The default is 19: a filled circle. |

## Value

This function returns a ggplot scatter plot object.

## Examples

```
## Create a scatter plot of y vs x.
x <- rnorm(100)
y <- x + rnorm(100, 0, 0.3)
ggraph(x, y)
```

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hello *This is my hello function. There are no parameters.*

---

## Description

This is my hello function. There are no parameters.

## Usage

```
hello()
```

## Value

This function returns the message "hello world".

## Examples

```
## This is the only thing this function does.
hello()
```

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subtract                              *This is my subtract function*

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## Description

This is my subtract function

## Usage

```
subtract(x, y)
```

## Arguments

| | |
|---|---|
| x | this is the first value |
| y | this is the second value to subtract |

## Value

This function returns the difference of x and y

## Examples

```
## Start with something simple
subtract(1, 1)

## Now something more difficult
subtract(49, 60)
```

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