

# Package ‘mypackage’

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**Title** Demo Package as an Example

**Version** 0.0.0.9000

**Description** This package is used as a demo for a simple package for the course MATH 3190 at Southern Utah University. It contains functions on adding, subtracting, and graphing a simple scatterplot.

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**URL** <https://github.com/rbrown53/mypackage>

**Encoding** UTF-8

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

**Imports** magrittr,  
tidyverse

**LazyData** true

**Suggests** knitr,  
rmarkdown

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**VignetteBuilder** knitr

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add	<i>This is my addition function</i>
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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	<i>Cranes Data Set</i>
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**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.
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**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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