STA 444 Assignment 2

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Exercise 1

Create a data frame "by hand" with the names, ages, and heights of your own family. If this feels excessively personal, feel free to make up people or include pets.

```
family <- data.frame(
  Names = c('Rowy', 'Mom', 'Luke', 'Courtney'),
  Age   = c(21, 56, 29, 27),
  Height.in = c(76, 85, 68, 73)
)
family
```

```
##      Names Age Height.in
## 1     Rowy  21        76
## 2      Mom  56        85
## 3     Luke  29        68
## 4 Courtney  27        73
```

Exercise 2

Calculate the mean age among your family.

```
mean( family$Age )
```

```
## [1] 33.25
```

Exercise 3

I have a spreadsheet file hosted on GitHub at https://raw.githubusercontent.com/dereksonderegger/570L/master/data-raw/Example_1.csv. Because the readr package doesn't care whether a file is on your local computer or on the Internet, we'll use this file.

Start the import wizard using: "File -> Import Dataset -> From Text (readr) . . . " and input the above web URL. Click the update button near the top to cause the wizard to preview the result. Save the generated code to your Rmarkdown file and show the first few rows using the head() command.

```
library(readr)
dataset <- read_csv('https://raw.githubusercontent.com/dereksonderegger/570L/master/data-raw/Example_1.
```

```
## Rows: 31 Columns: 3
## -- Column specification --------------------------------------------------------
## Delimiter: ","
## dbl (3): Girth, Height, Volume
##
## i Use `spec()` to retrieve the full column specification for this data.
## i Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```
head(dataset)
```

```
## # A tibble: 6 x 3
##   Girth Height Volume
##   <dbl>  <dbl>  <dbl>
## 1   8.3     70   10.3
## 2   8.6     65   10.3
## 3   8.8     63   10.2
## 4  10.5     72   16.4
## 5  10.7     81   18.8
## 6  10.8     83   19.7
```