

Google Capstone

Lucas Temponi

12/6/2021

R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
files <- list.files(path='/cloud/project/Fitabase Data 4.12.16-5.12.16')
names <- str_split_fixed(files,"_merged",2)[,1]
for (i in names){
  assign(i,read_csv(paste('/cloud/project/Fitabase Data 4.12.16-5.12.16/',i,"_merged.csv",sep="")))
}
```

```
## Rows: 940 Columns: 15
```

```
## -- Column specification -----
```

```
## Delimiter: ","
```

```
## chr (1): ActivityDate
```

```
## dbl (14): Id, TotalSteps, TotalDistance, TrackerDistance, LoggedActivitiesDi...
```

```
##
```

```
## 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.
```

```
## Rows: 940 Columns: 3
```

```
## -- Column specification -----
```

```
## Delimiter: ","
```

```
## chr (1): ActivityDay
```

```
## dbl (2): Id, Calories
```

```
##
```

```
## 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.
```

```
## Rows: 940 Columns: 10
```

```
## -- Column specification -----
```

```
## Delimiter: ","
```

```
## chr (1): ActivityDay
```

```
## dbl (9): Id, SedentaryMinutes, LightlyActiveMinutes, FairlyActiveMinutes, Ve...
```

```
##
```

```
## 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.
```

```
## Rows: 940 Columns: 3
```

```

## -- Column specification -----
## Delimiter: ","
## chr (1): ActivityDay
## dbl (2): Id, StepTotal

##
## 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.
## Rows: 2483658 Columns: 3

## -- Column specification -----
## Delimiter: ","
## chr (1): Time
## dbl (2): Id, Value

##
## 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.
## Rows: 22099 Columns: 3

## -- Column specification -----
## Delimiter: ","
## chr (1): ActivityHour
## dbl (2): Id, Calories

##
## 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.
## Rows: 22099 Columns: 4

## -- Column specification -----
## Delimiter: ","
## chr (1): ActivityHour
## dbl (3): Id, TotalIntensity, AverageIntensity

##
## 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.
## Rows: 22099 Columns: 3

## -- Column specification -----
## Delimiter: ","
## chr (1): ActivityHour
## dbl (2): Id, StepTotal

##
## 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.
## Rows: 1325580 Columns: 3

## -- Column specification -----
## Delimiter: ","
## chr (1): ActivityMinute
## dbl (2): Id, Calories

##
## i Use `spec()` to retrieve the full column specification for this data.

```

```

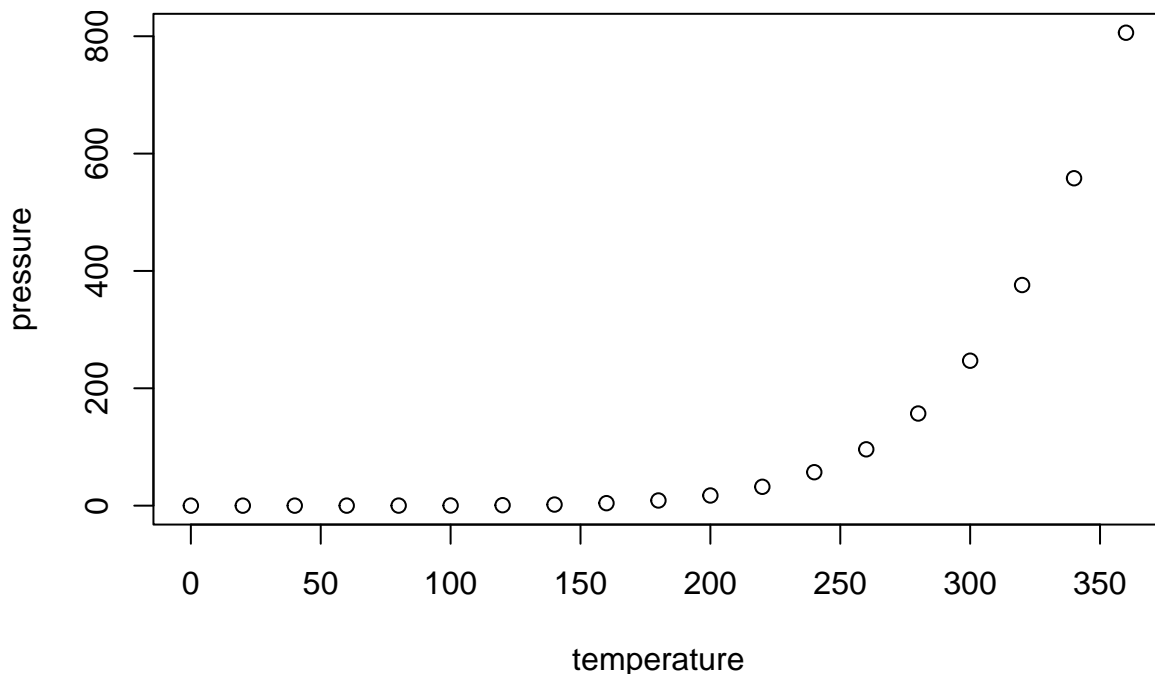
## i Specify the column types or set `show_col_types = FALSE` to quiet this message.
## Rows: 21645 Columns: 62
## -- Column specification -----
## Delimiter: ","
## chr (1): ActivityHour
## dbl (61): Id, Calories00, Calories01, Calories02, Calories03, Calories04, Ca...
##
## i Use `spec()` to retrieve the full column specification for this data.
## i Specify the column types or set `show_col_types = FALSE` to quiet this message.
## Rows: 1325580 Columns: 3
## -- Column specification -----
## Delimiter: ","
## chr (1): ActivityMinute
## dbl (2): Id, Intensity
##
## 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.
## Rows: 21645 Columns: 62
## -- Column specification -----
## Delimiter: ","
## chr (1): ActivityHour
## dbl (61): Id, Intensity00, Intensity01, Intensity02, Intensity03, Intensity0...
##
## 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.
## Rows: 1325580 Columns: 3
## -- Column specification -----
## Delimiter: ","
## chr (1): ActivityMinute
## dbl (2): Id, METs
##
## 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.
## Rows: 188521 Columns: 4
## -- Column specification -----
## Delimiter: ","
## chr (1): date
## dbl (3): Id, value, logId
##
## 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.
## Rows: 1325580 Columns: 3
## -- Column specification -----
## Delimiter: ","
## chr (1): ActivityMinute

```

```
## dbl (2): Id, Steps
##
## 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.
## Rows: 21645 Columns: 62
## -- Column specification -----
## Delimiter: ","
## chr (1): ActivityHour
## dbl (61): Id, Steps00, Steps01, Steps02, Steps03, Steps04, Steps05, Steps06,...
##
## 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.
## Rows: 413 Columns: 5
## -- Column specification -----
## Delimiter: ","
## chr (1): SleepDay
## dbl (4): Id, TotalSleepRecords, TotalMinutesAsleep, TotalTimeInBed
##
## 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.
```

Including Plots

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.