20331568 Data Science Practical Test

Purpose

The purpose of the project is to create Here I am checking

Question 1 Solution

Code used for Figures and Tables

```
gc() # garbage collection - It can be useful to call gc after a large object has been removed, as this
```

```
##          used (Mb) gc trigger (Mb) max used (Mb)
## Ncells 399925 21.4     823172   44   638940 34.2
## Vcells 724125  5.6    8388608   64  1632953 12.5
```

```
library(pacman)
p_load(tidyverse, lubridate)

# Source in all your functions:
# walk is the 'silent' version of map, which is similar to lapply.
list.files('Question1/code/', full.names = T, recursive = T) %>% as.list() %>% walk(~source(.))
```

Data

I put the unzipped data files in their respective question folders.

For loading in the README - adjust the code.

Question 1

```
#ctrl alt i - load r chunk
```

Loading the data datcolat <- Data_Collating(Datroot = "Question1/Data/Happy/")

First plot I can describe this plot as follows...

It shows that ....

```
# adjust the sizes to fit into the readme a bit.

#g <- Error_bar_plot(datcolat, xaxis_size = 9, xaxis_rows = 3)
#g
```

The second plot in the paper ...

```
 # g <-  Barplot_breakdown_Happy_Contributors(datcolat, Title = "Barplot making up the ladder", Subtitl

#g
```