# Slidify Presentation

## Coursera Data Product Course Project Part 2

Gopal D Bhatta
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Introduction

This is a reproducible pitch presentation using slidify. This part uses mtcars dataset from one of the available datasets in R. Few next slides shows the structure of the variables and sample data.

## Structure of the dataset

```
library(datasets)
str(mtcars)
```

```
## 'data.frame':    32 obs. of  11 variables:
##  $ mpg : num  21 21 22.8 21.4 18.7 18.1 14.3 24.4 22.8 19.2 ...
##  $ cyl : num  6 6 4 6 8 6 8 4 4 6 ...
##  $ disp: num  160 160 108 258 360 ...
##  $ hp  : num  110 110 93 110 175 105 245 62 95 123 ...
##  $ drat: num  3.9 3.9 3.85 3.08 3.15 2.76 3.21 3.69 3.92 3.92 ...
##  $ wt  : num  2.62 2.88 2.32 3.21 3.44 ...
##  $ qsec: num  16.5 17 18.6 19.4 17 ...
##  $ vs  : num  0 0 1 1 0 1 0 1 1 1 ...
##  $ am  : num  1 1 1 0 0 0 0 0 0 0 ...
##  $ gear: num  4 4 4 3 3 3 3 4 4 4 ...
##  $ carb: num  4 4 1 1 2 1 4 2 2 4 ...
```

## Sample Data

```
head(mtcars)
```

```
##                     mpg cyl disp  hp drat    wt  qsec vs am gear carb
## Mazda RX4          21.0   6  160 110 3.90 2.620 16.46  0  1    4    4
## Mazda RX4 Wag      21.0   6  160 110 3.90 2.875 17.02  0  1    4    4
## Datsun 710         22.8   4  108  93 3.85 2.320 18.61  1  1    4    1
## Hornet 4 Drive     21.4   6  258 110 3.08 3.215 19.44  1  0    3    1
## Hornet Sportabout 18.7   8  360 175 3.15 3.440 17.02  0  0    3    2
## Valiant            18.1   6  225 105 2.76 3.460 20.22  1  0    3    1
```

The source codes for ui.R and server.R files are available on github.

The Application

The (mtcars) database is used for the application. The link to the application is https://gopalbhatta.shinyapps.io/data_mtcars/

The app allows to perform interactive data analysis from a set of user specified criteria-

The selling price of gasoline (US $/gallon) and desired travel distance.