Workshop 7

$Veerasak\ Kritsanapraphan$

We'll begin by loading all the required packages.

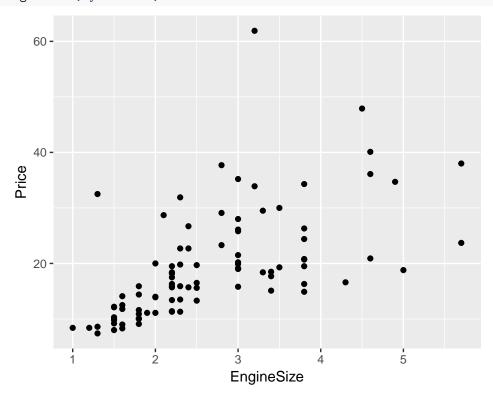
```
library(MASS)
library(lattice)
library(ggplot2)
```

Plotting the Cars93 data

This problem uses the Cars93 dataset from the MASS package.

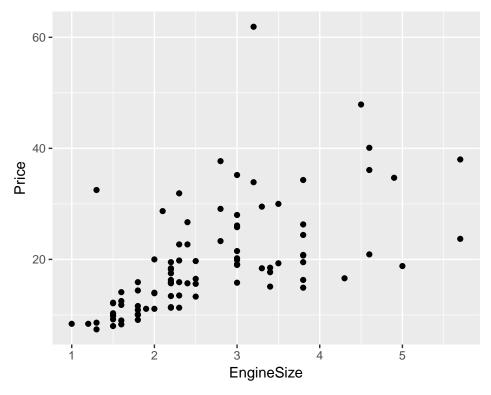
(a) Use qplot to create a scatterplot with Price on the y-axis and EngineSize on the x-axis.

qplot(x = EngineSize, y = Price, data = Cars93)



(b) Repeat part (a) using the ggplot function and geom_point() layer.

```
ggplot(Cars93, aes(x = EngineSize, y = Price)) + geom_point()
```



(c) Repeat part (b), but this time specifying that the color mapping should depend on Type and the shape mapping should depend on DriveTrain.

ggplot(Cars93, aes(x = EngineSize, y = Price, colour = Type, shape = DriveTrain)) + geom_point()

