

# Workshop 7

*Veerasak Kritsanapraphan*

We'll begin by loading all the required packages.

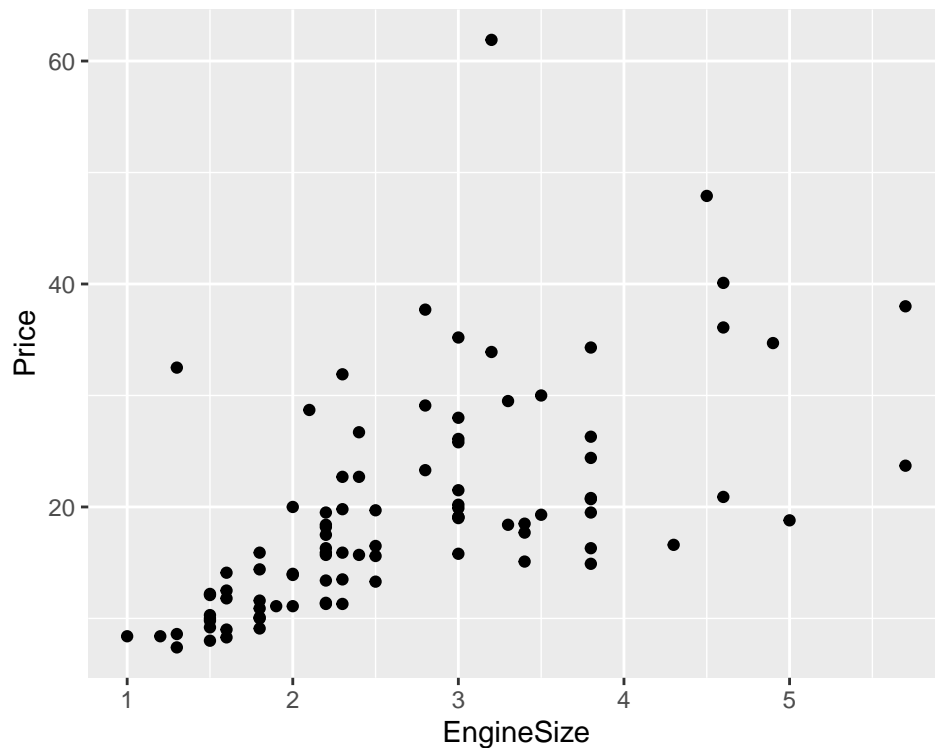
```
library(MASS)
library(ggplot2)
```

## Plotting the Cars93 data

This problem uses the Cars93 dataset from the MASS package.

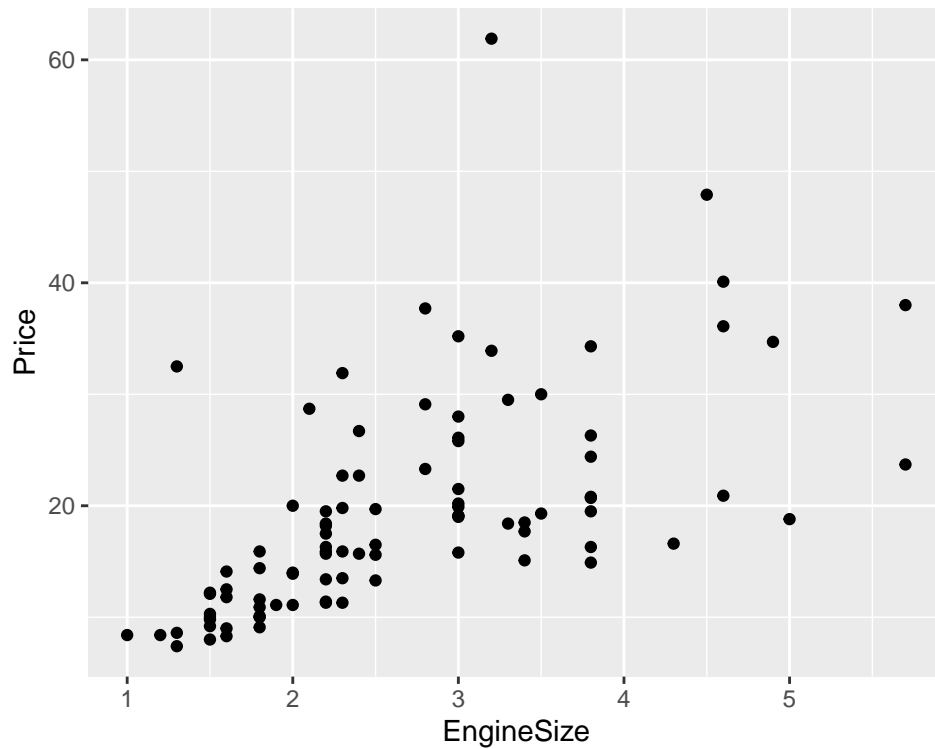
(a) Use `qplot` to create a scatterplot with Price on the y-axis and EngineSize on the x-axis.

```
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()
```

