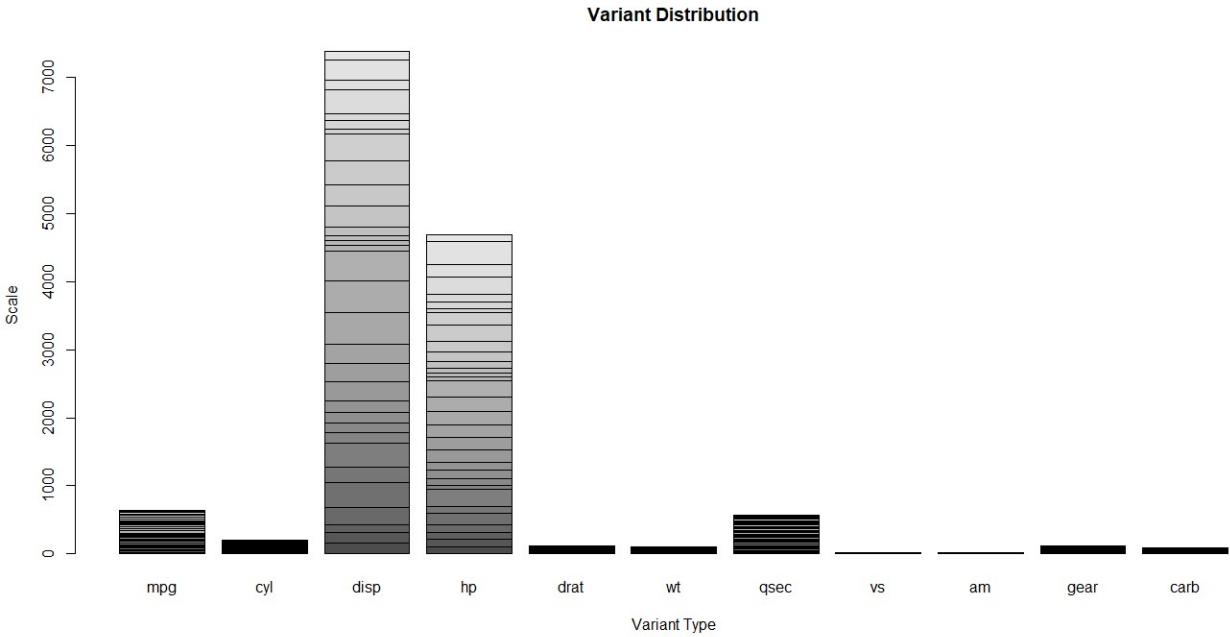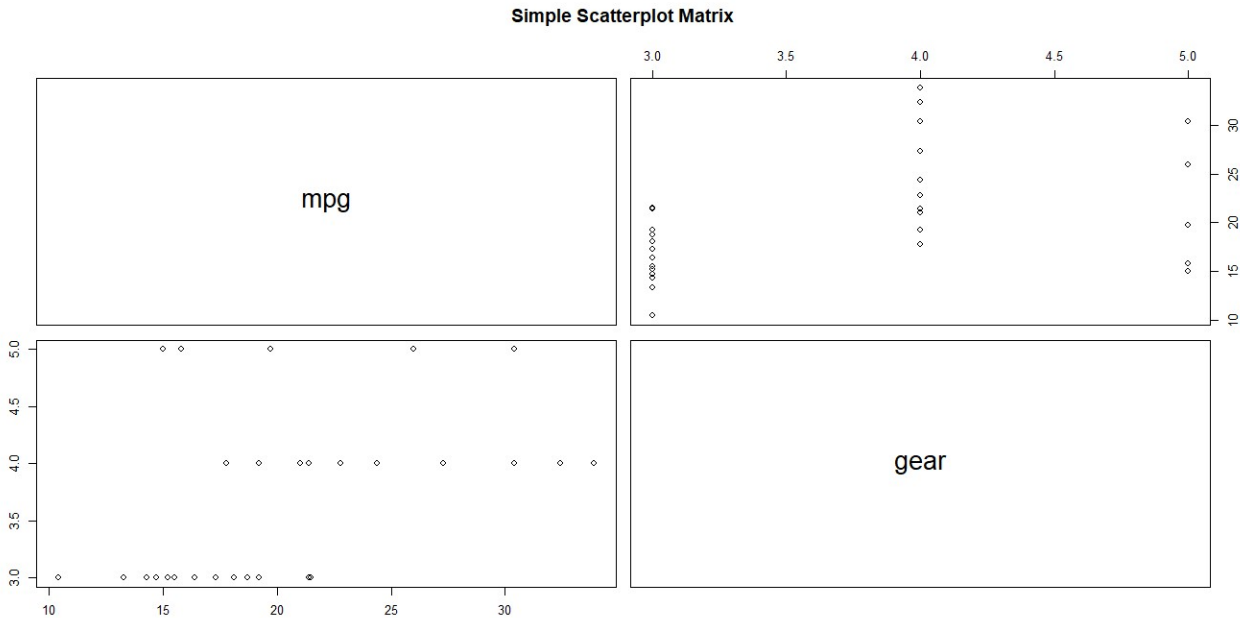## 5. Problem Statement

1. Write a program to create **barplots** for all the categorical columns in **mtcars.**

```
> counts <- data.matrix(mtcars)
> barplot(counts, main="Variant Distribution", ylab = "Scale",
+         xlab="Variant Type")
```


2. Create a **scatterplot** matrix by gear types in **mtcars** dataset.

```
> pairs(~mpg+gear,data=mtcars,
+       main="Simple Scatterplot Matrix")
```

3. Write a program to create a **plot density** by class variable

```
> plot(density(mtcars$cyl))
```

density.default(x = mtcars$cyl)

N = 32   Bandwidth = 0.8037