

Homework 1

A.

```
autoData <- read.csv("C://Users//Tetra//Documents//Auto.csv",na.strings = "?")
```

B.

```
> typeof(autoData)
[1] "list"
```

```
> class(autoData)
[1] "data.frame"
```

C.

```
> dim(autoData)
[1] 397    9
```

D.

```
> autoData = na.omit(autoData)
> dim(autoData)
[1] 392    9
```

E.

```
> ls(autoData)
[1] "acceleration" "cylinders"      "displacement" "horsepower"    "mpg"
"name"          "origin"
[8] "weight"       "year"
```

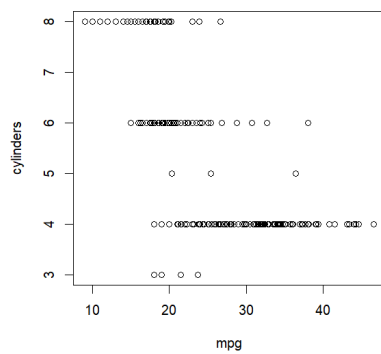
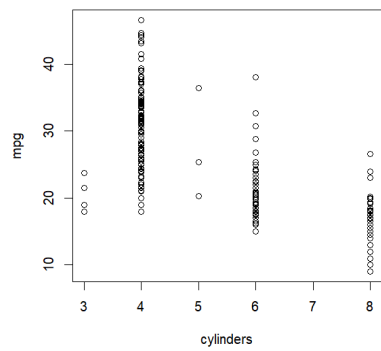
F.

```
> attach(autoData)
The following objects are masked from autoData (pos = 3):
```

```
    acceleration, cylinders, displacement, horsepower, mpg, name, origin,
weight, year
```

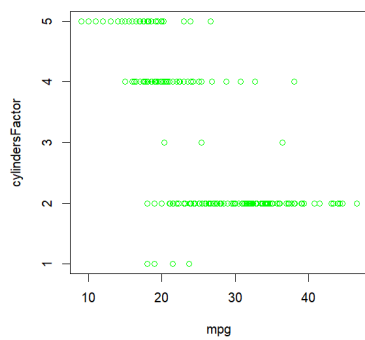
```
> plot(cylinders,mpg)
> plot(mpg,cylinders)
```

Wasn't sure if cylinders was x or y so i did both



G.

```
cylindersFactor = factor(cylinders)
plot(mpg,cylindersFactor,col="green")
```



H.

```
hist(mpg,col="green",breaks=10)
```



```
> rownames(df) = c("Mpg", "Weight", "Horsepower", "Acceleration")
```

```
> df
```

	Mean	Variance
Mpg	22.62030	4.984148e+01
Weight	2965.22556	7.413998e+05
Horsepower	101.77444	1.269509e+03
Acceleration	15.60376	7.649304e+00