

# SESSION 7: Basic Statistics

## Assignment 1

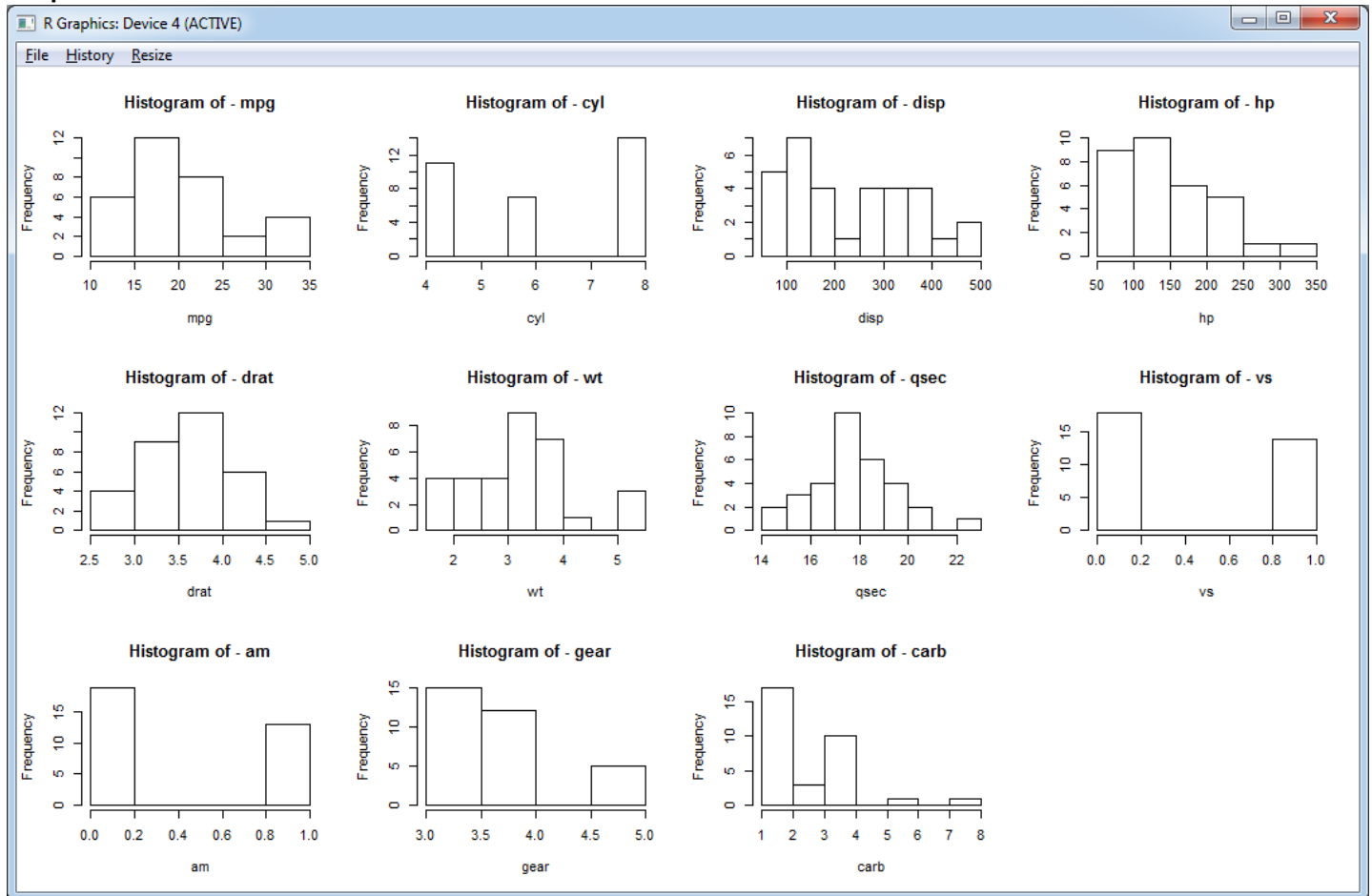
1. Histogram for all variables in a dataset mtcars.

Write a program to create histograms for all columns

Answer:

```
windows()
par(mfrow=c(3,4))
for ( i in 1:length(mtcars)){
  hist(mtcars[,i],main=paste("Histogram of -",colnames(mtcars)[i]),xlab=colnames(mtcars)[i])
}
```

Output:



2. Check the probability distribution of all variables in mtcars.

Answer:

Output:

3. Write a program to create boxplot for all variables.

Answer:

```
windows()
par(mfrow=c(3,4))
for ( i in 1:length(mtcars)){
  boxplot(mtcars[,i],main=paste("Histogram of -",colnames(mtcars)[i]),xlab=colnames(mtcars)[i])
}
```

## Output:

