Session 1 Exercises

1. Movie DVDs owned by students

The variable **Dvds** in the **student** dataset contains the number of movie DVDs owned by students in the class.

a) Construct a histogram of this variable using the **hist()** command.

b) Summarize this variable using the **summary()** command.

c) Use the **table()** command to construct a frequency table of the individual values of **Dvds** that were observed. If one constructs a barplot of these tabled values using the command **barplot(table(Dvds))** one will see that particular response values are very popular. Is there any explanation for these popular values for the number of DVDs owned?

2. Student heights

The variable **Height** contains the height (in inches) of each student in the class.

a) Construct parallel boxplots of the heights using the **Gender** variable.

b) If one assigns the boxplot output to a variable

```
output=boxplot(Height~Gender)
```

then **output** is a list that contains statistics used in constructing the boxplots. Print **output** to see the statistics that are stored.

c) On average, how much taller are male students than female students?