**Assignment4 – BikeData Analysis**

**Research Question:**

How many of the cyclists rode daily, how many of these riders were male and how many female, and what were their average ages?

**Write the code for your Analysis**

**Cyclists who rode daily -** nrow(subset(BikeData[1:121,],cyc\_freq =='Daily')) – 47

**Female riders who rode daily** - nrow(subset(BikeData, BikeData$gender == 'F' & cyc\_freq=='Daily')) – 9

**Male riders who rode** **daily** - nrow(subset(BikeData, BikeData$gender == 'M' & cyc\_freq=='Daily')) – 38

**Cyclist average age -** mean(BikeData$age[BikeData$cyc\_freq=='Daily']) - 33.65957

**Male riders average age -** mean(BikeData$age[BikeData$gender=='M' & BikeData$cyc\_freq=='Daily']) - 33.92105

**Female riders average age - mean(BikeData$age[BikeData$gender=='F' & BikeData$cyc\_freq=='Daily']) -** 32.55556

**Conclusion:**

We examined the data on **47** daily riders. Most of the daily riders ( a total of **38** out of **47** were **Male**. The average age of all dailyriders was **33.65957**. The average age of female riders was **32.55556** while the average age of male riders was **33.92105**.