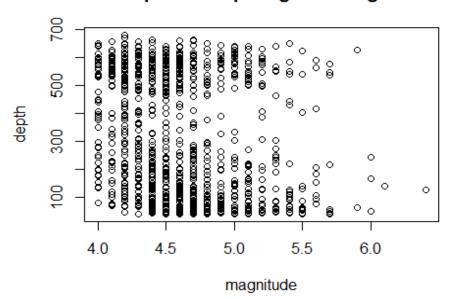
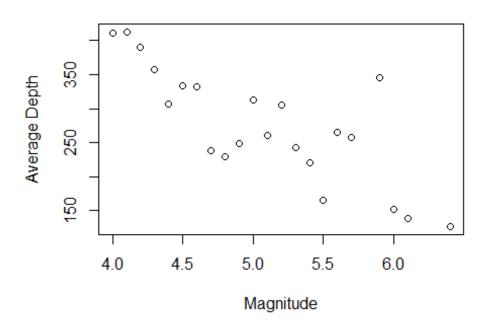
```
#
                     Using R: aggregate() function
#The aggregate function is very useful method in R and allows you to easily compute
statistics (such as the mean) for different groupings, e.g. if you have a set of data
for students which contains both demographic and grade information; to compute the
mean class grade by gender, you could use the aggregate command. To complete this
problem, you will need to look up information on how to use aggregate. You can use the
built-in R documentation, look for help online, or both.
#(a) Load the guakes data from the datasets package.
data("quakes")
#(b) Plot the recorded earthquake magnitude against the earthquake depth using the
plot command.
attach(quakes)
plot(mag,depth,main="Earthquake - Depth against Magnitude",xlab="magnitude",
ylab="depth")
```

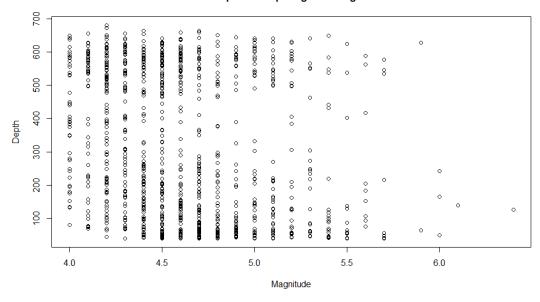
Earthquake - Depth against Magnitude



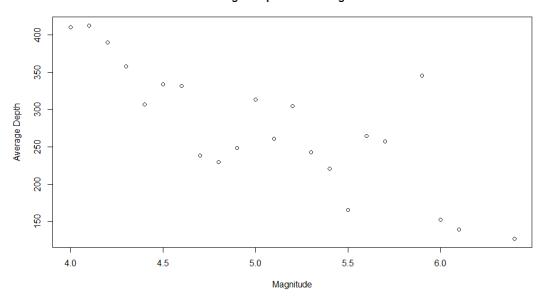
Avergae Depth versus Magnitude



Earthquake - Depth against Magnitude



Avergae Depth versus magnitude



#As can be understood from the graphs, the earthquakes with higher magnitude is more probable in lower depth