Assignment 10

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Libraries

```
library(readr)
library(stringr)
library(ggplot2)
library(dplyr)
#install.packages("googleVis")
library(googleVis)
```

```
#Excel spreadsheet in Project Directory
data<-read_csv("http://www.richardtwatson.com/data/InternetCompanies.csv")
```

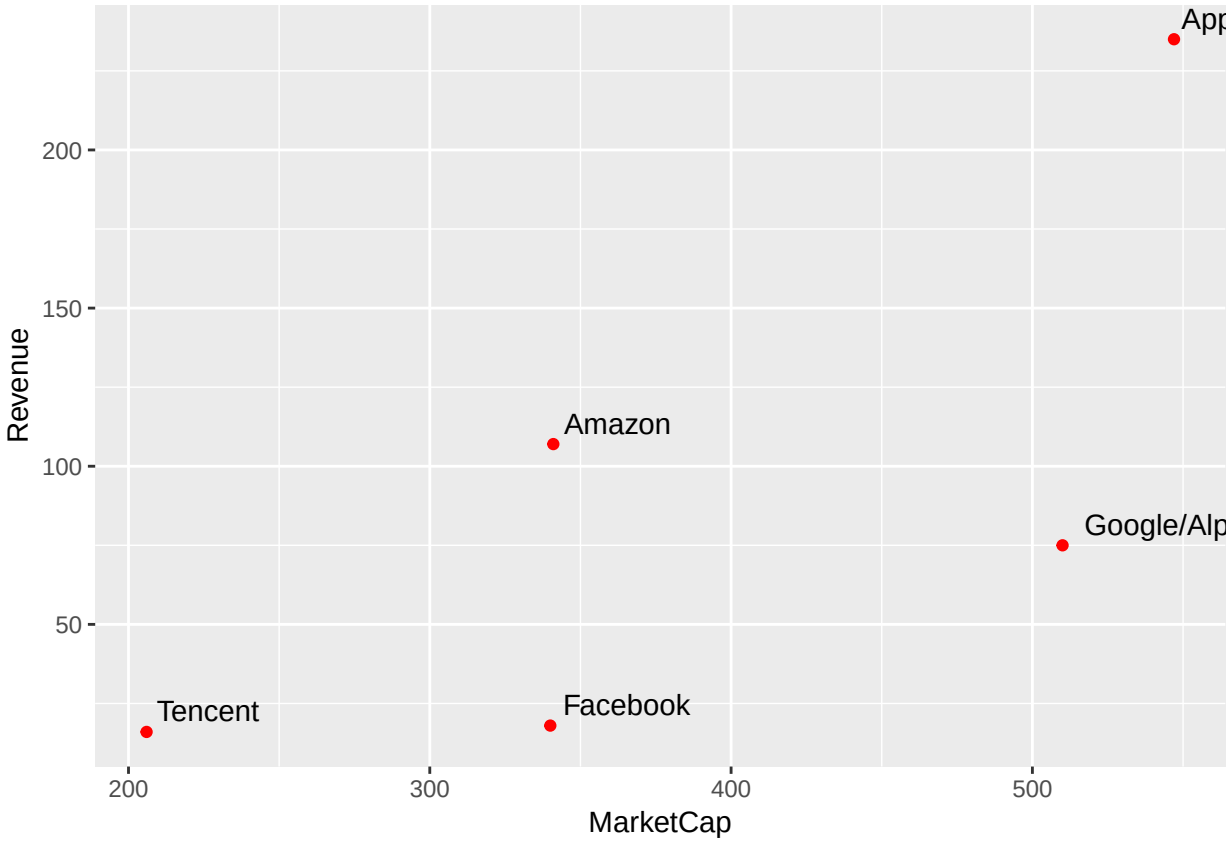
```
## Parsed with column specification:
## cols(
##   Company = col_character(),
##   Country = col_character(),
##   MarketCap = col_character(),
##   Cash = col_character(),
##   Revenue = col_character()
## )
```

```
# Clean data
data$Cash<-as.numeric(gsub("\\$", "", data$Cash))
data$MarketCap<-as.numeric(gsub("\\$", "", data$MarketCap))
data$Revenue<-as.numeric(gsub("\\$", "", data$Revenue))

data$Cash[data$Cash == "-"]<- NA
data$Revenue[data$Revenue == "-"]<- NA
```

Top 5 by Market Cap Graph

Use ggplot2 to create a point graph of market capitalization versus revenue for the five largest companies by market capitialization and label each point with the company's name.

```
# Use ggplot2 to create a point graph of market capitalization
# versus revenue for the five largest companies by market capitialization
# and label each point with the company's name.
Top5 <- data %>%
  arrange(desc(MarketCap)) %>%
  filter(row_number()<6)

ggplot(Top5, aes(MarketCap,Revenue)) + geom_point(color='red') +
  geom_text(aes(label=Company),hjust=-.1, vjust=-.5)
```



Use googleVis to create a bubble chart for the same set of companies.

```
Bubble<-gvisBubbleChart(Top5, xvar="Revenue", yvar="MarketCap", sizevar = "MarketCap",
                        colorvar = "Revenue")
plot(Bubble)
```

```
## starting httpd help server ... done
```