Exercise 5

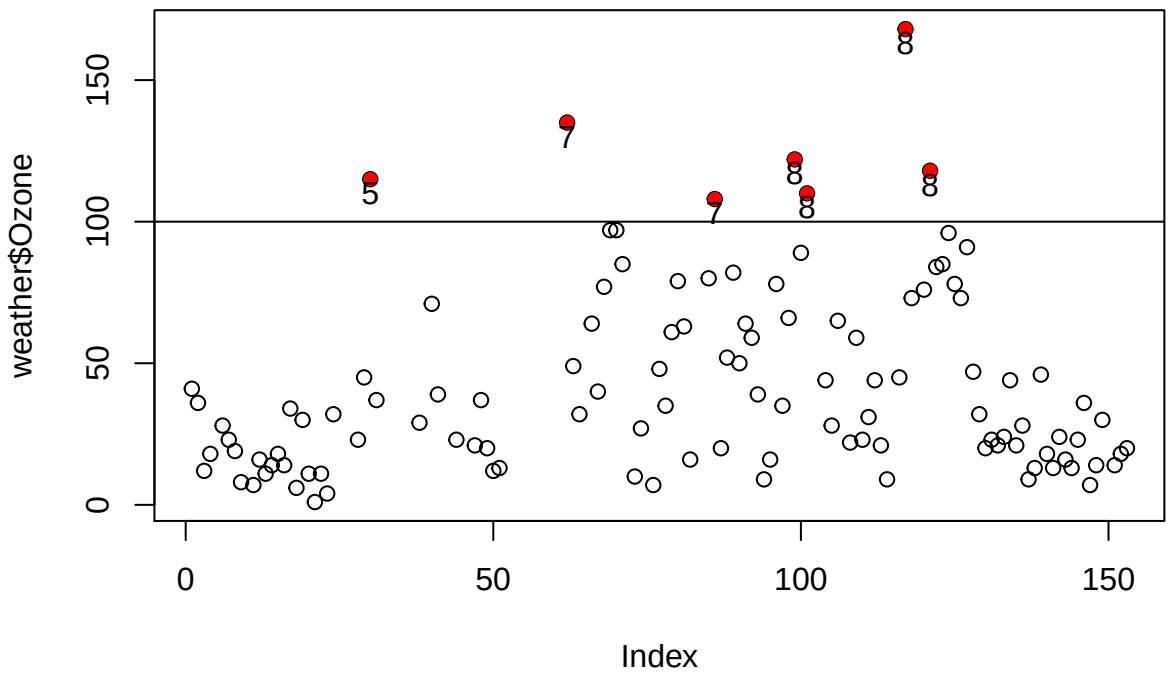
Your Name

14 Dec 2015

```
weather <- read.csv("ozone.csv")
```

- Make a scatter plot of all observations of Ozone level
  - i.e. with the y axis being the Ozone variable, and x-axis being the row index
  - Highlight any days which had Ozone level > 100
  - Indicate which month the days with high ozone-level belong to

```
plot(weather$Ozone)
abline(h=100)
high0 <- which(weather$Ozone > 100)
points(high0, weather$Ozone[high0],col="red",pch=16)
text(high0,weather$Ozone[high0]-5, labels=weather$Month[high0])
```



- Plot Ozone versus Solar Radiation, Wind Speed and Temperature on separate graphs
  - save the plot to a pdf file

```
pdf("ozoneCorrelations.pdf")
par(mfrow=c(1,3))
plot(weather$Solar.R,weather$Ozone,pch=16,col="lightgreen",ylab="Ozone level",xlab="Solar Radiation")
plot(weather$Wind,weather$Ozone, pch=15,col="steelblue",ylab="Ozone level", xlab="Wind Speed")
plot(weather$Temp,weather$Ozone,pch=17,col="orange", ylab="Ozone level",xlab="Temperature")
dev.off()
```

```
## pdf
##   2
```