

Exercise 5

Your Name

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

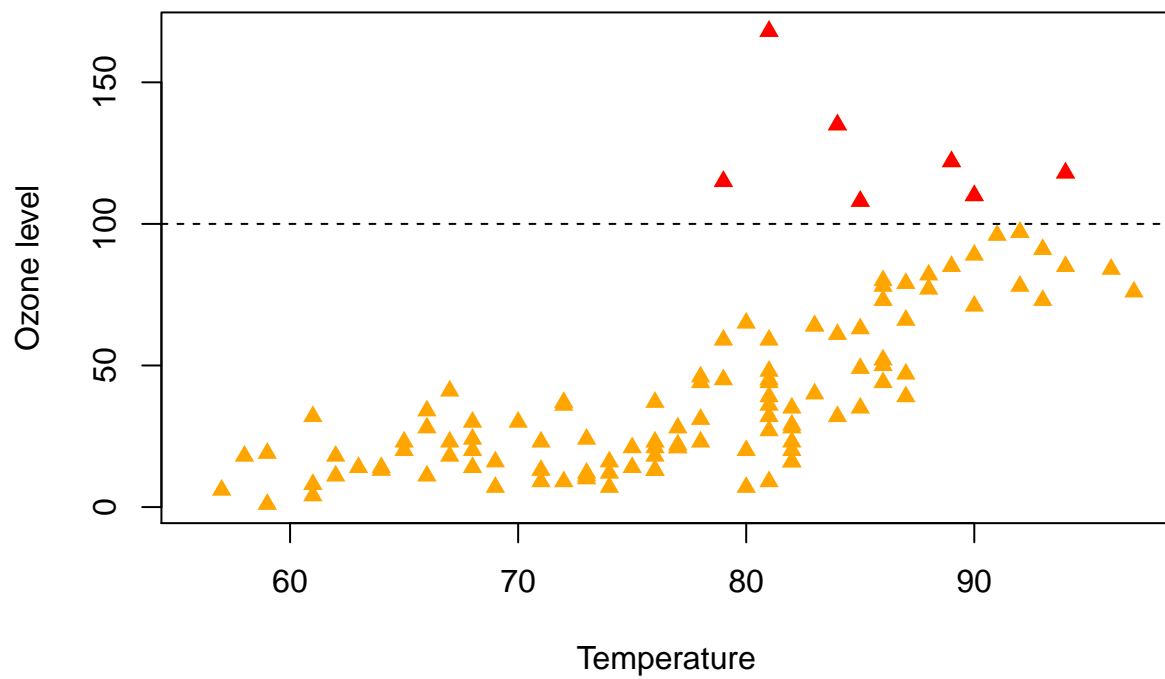
- Plot Ozone versus Solar Radiation, Wind Speed and Temperature on separate graphs
 - save the plot to a pdf file

```
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
```

- Repeat the plot of Ozone versus Temperature and use a different colour to highlight any points with Ozone level > 100

```
plot(weather$Temp,weather$Ozone, pch=17,
      col="orange", ylab="Ozone level",
      xlab="Temperature")
highO <- which(weather$Ozone > 100)
abline(h=100,lty=2)
points(weather$Temp[highO],weather$Ozone[highO],pch=17,col="red")
```



```
mycol = rep("orange",nrow(weather))
mycol[high0] <- "red"
plot(weather$Temp,weather$Ozone, pch=17,
      col=mycol, ylab="Ozone level",
      xlab="Temperature")
abline(h=100,lty=2)
```

