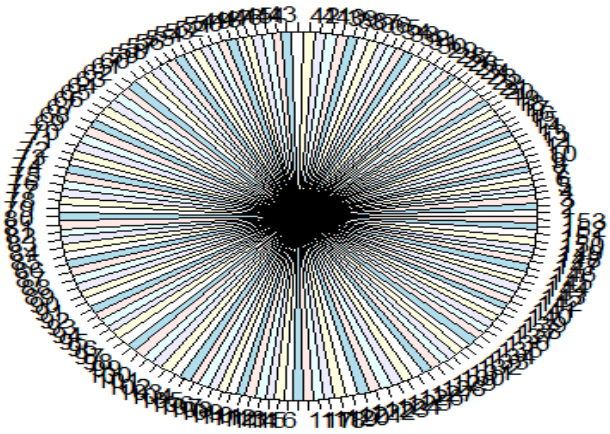
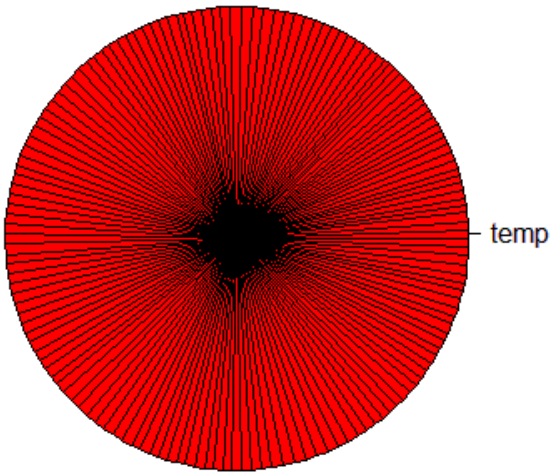
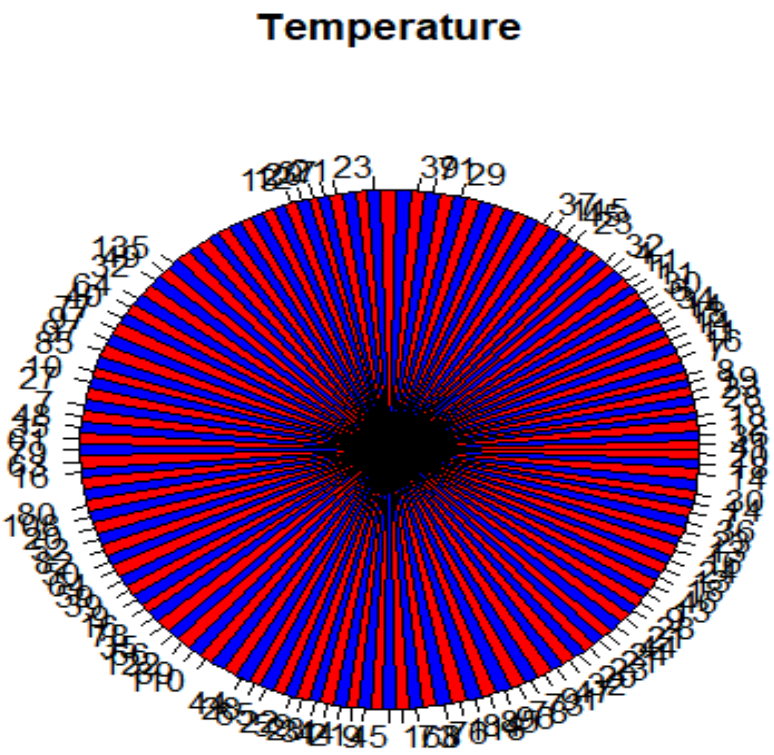
```
pie(airquality$Temp)
```



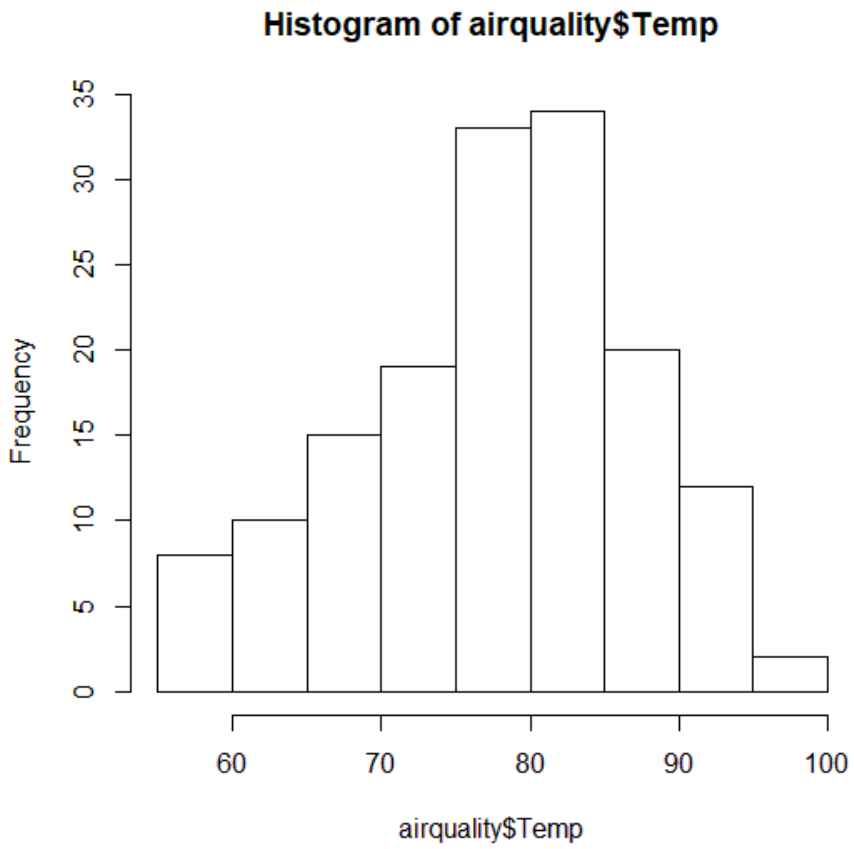
```
pie(airquality$Temp,labels="temp",main="Temperature",col="red")
```


Temperature
temp

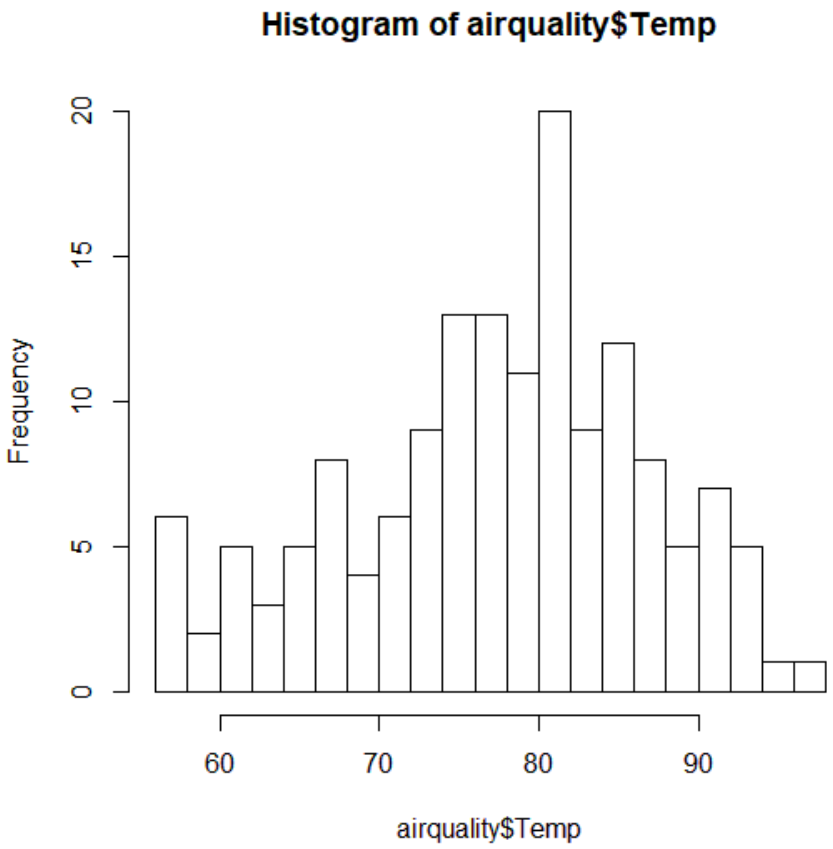
pie(airquality$Temp,airquality$Ozone,main="Temperature",col=c("red”
,”blue”))



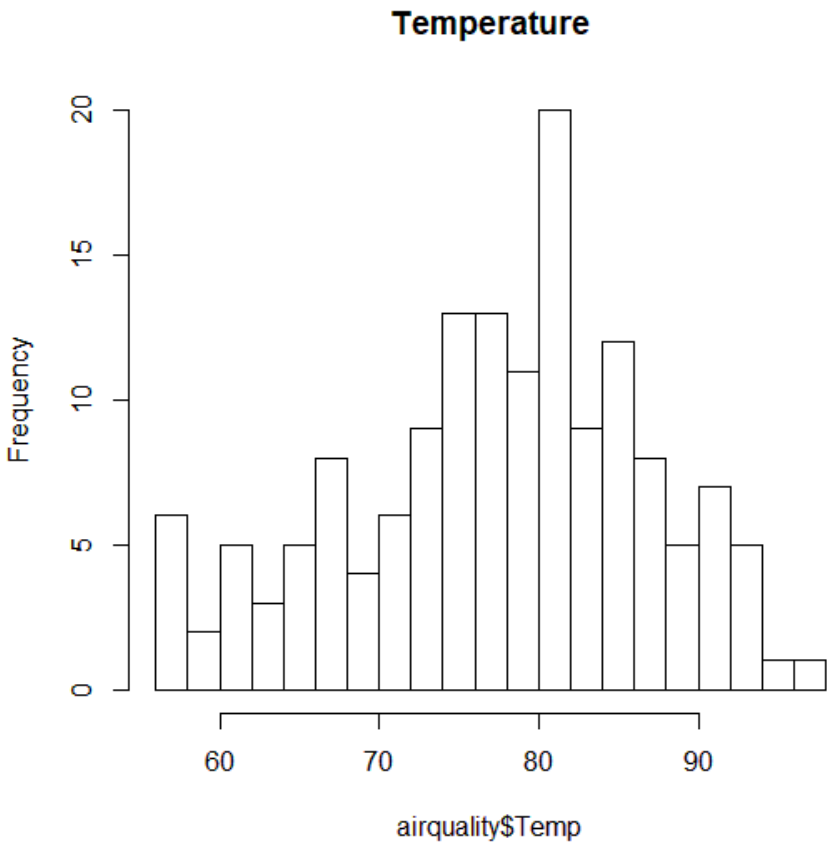
hist(airquality$Temp)



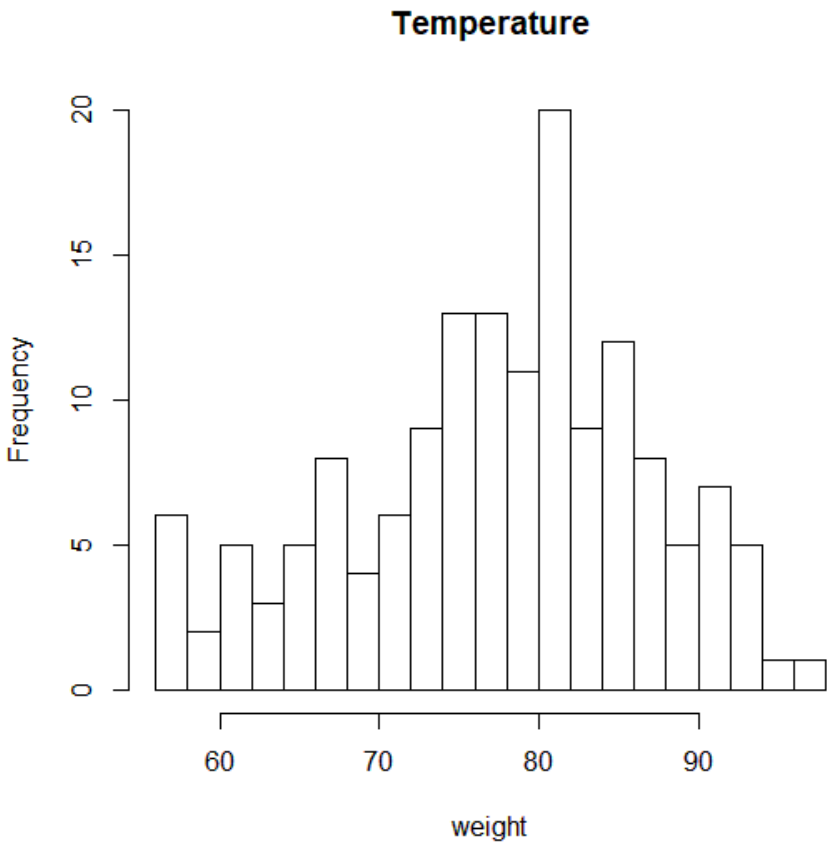
hist(airquality$Temp, breaks = 20)


Histogram of airquality$Temp
Frequency
0
5
10
15
20
60
70
80
90
airquality$Temp

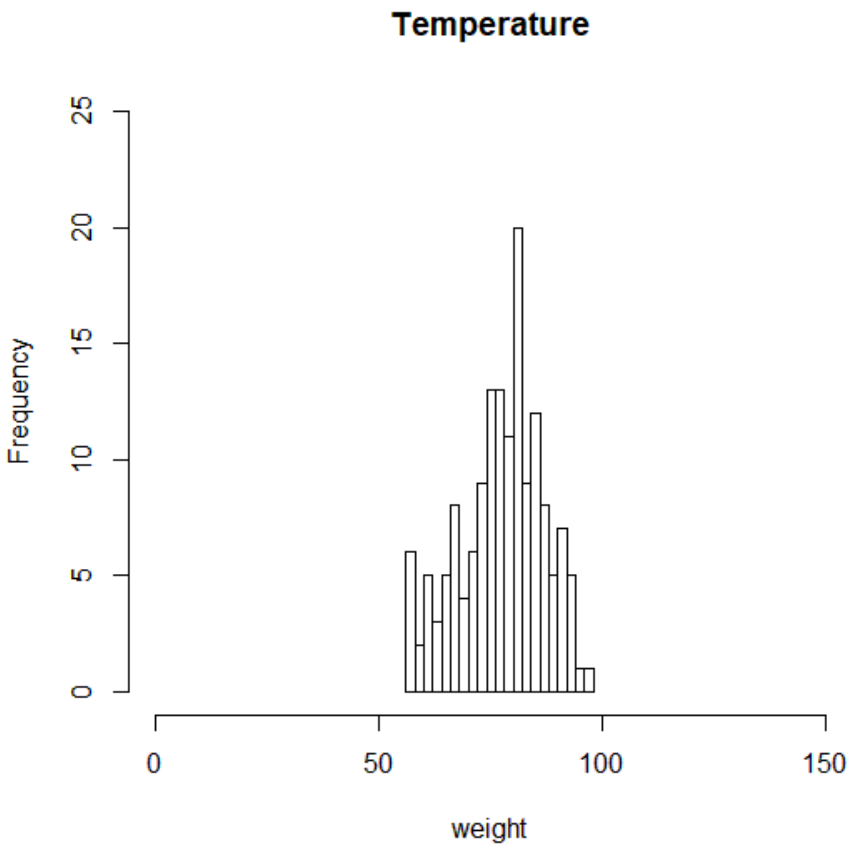
```
hist(airquality$Temp, breaks = 20, main = "Temperature")
```



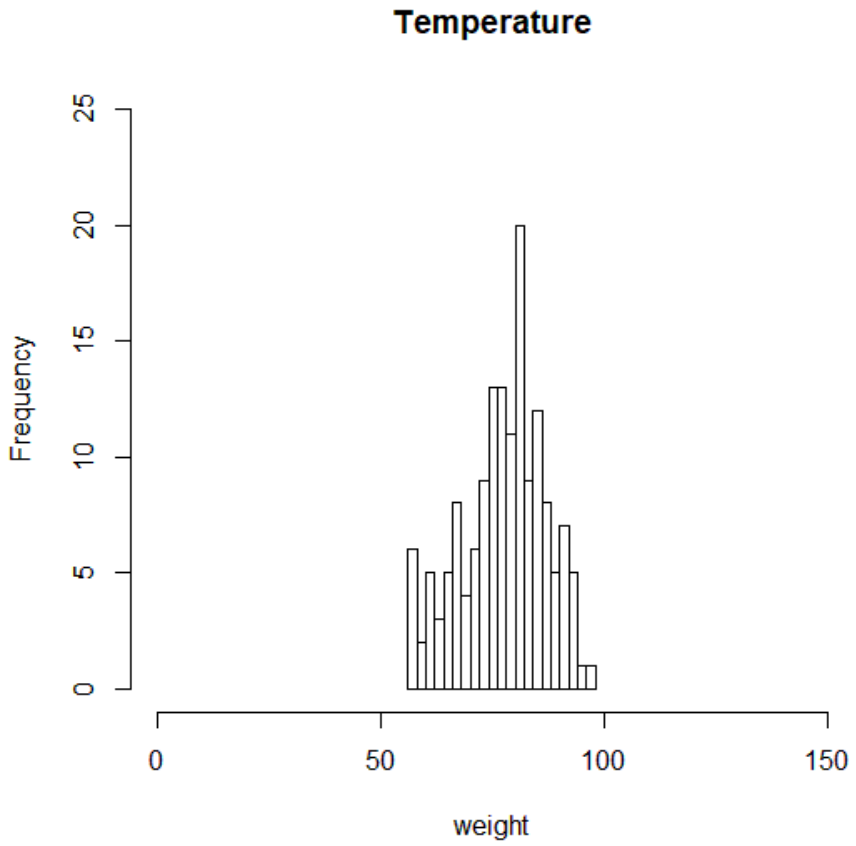
hist(airquality$Temp, breaks = 20, main = "Temperature", xlab = "weight")



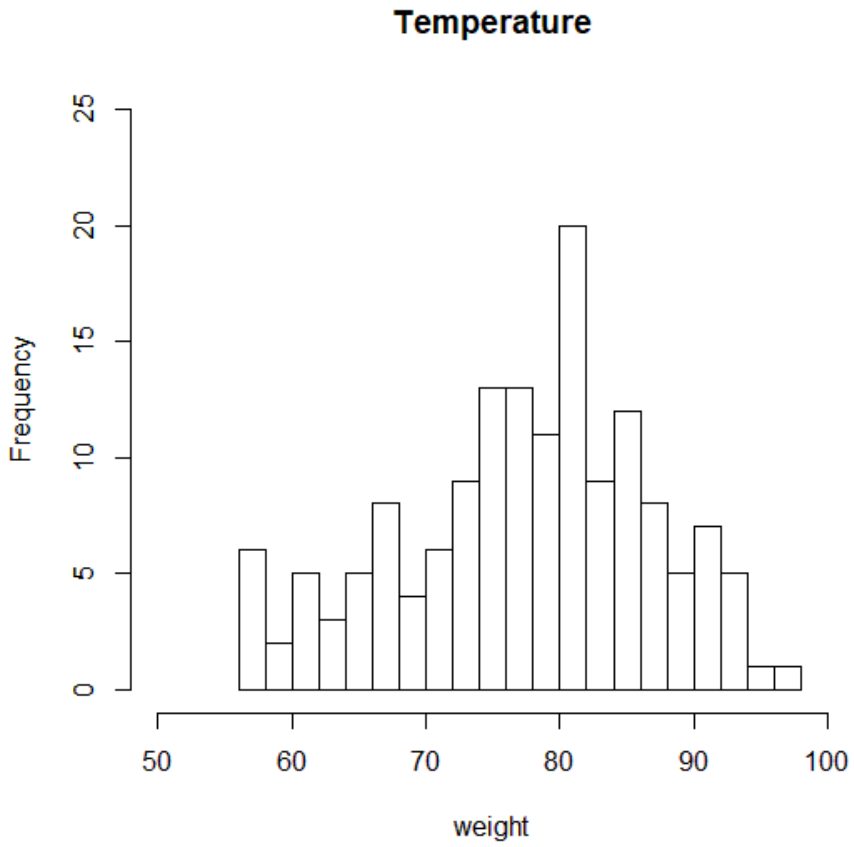
hist(airquality$Temp, breaks = 20, main = "Temperature", xlab = "weight", xlim=c(0,150), ylim=c(0,25))


Temperature
Frequency
0
5
10
15
20
25
0
50
100
150
weight

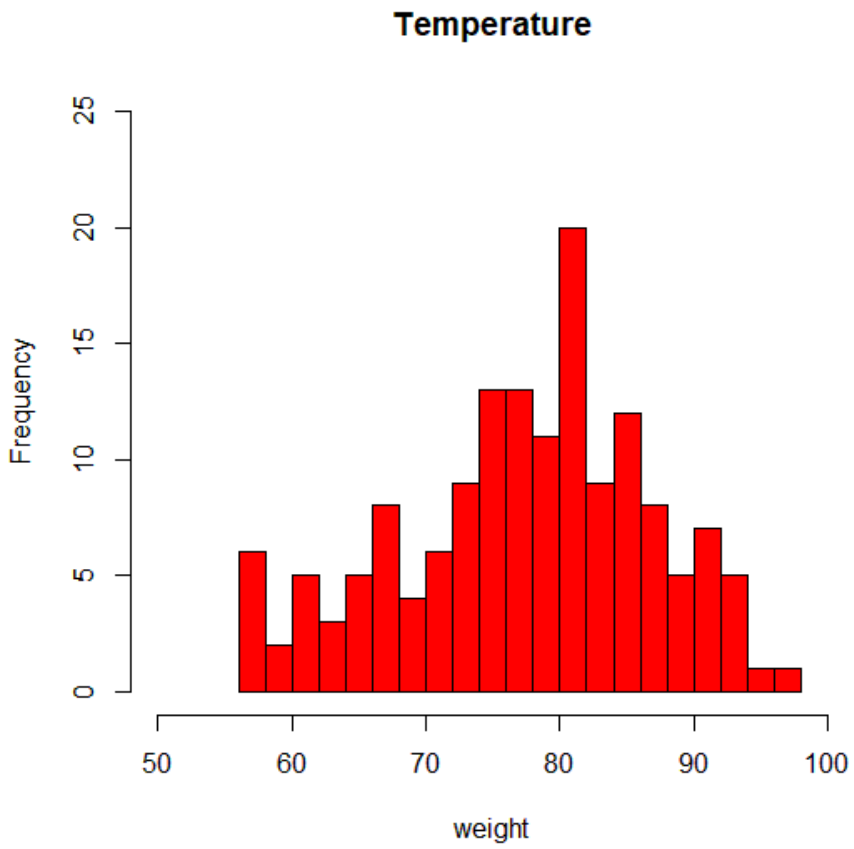
hist(airquality$Temp, breaks = 20, main = "Temperature", xlab = "weight", xlim=c(0,100), ylim=c(0,25))



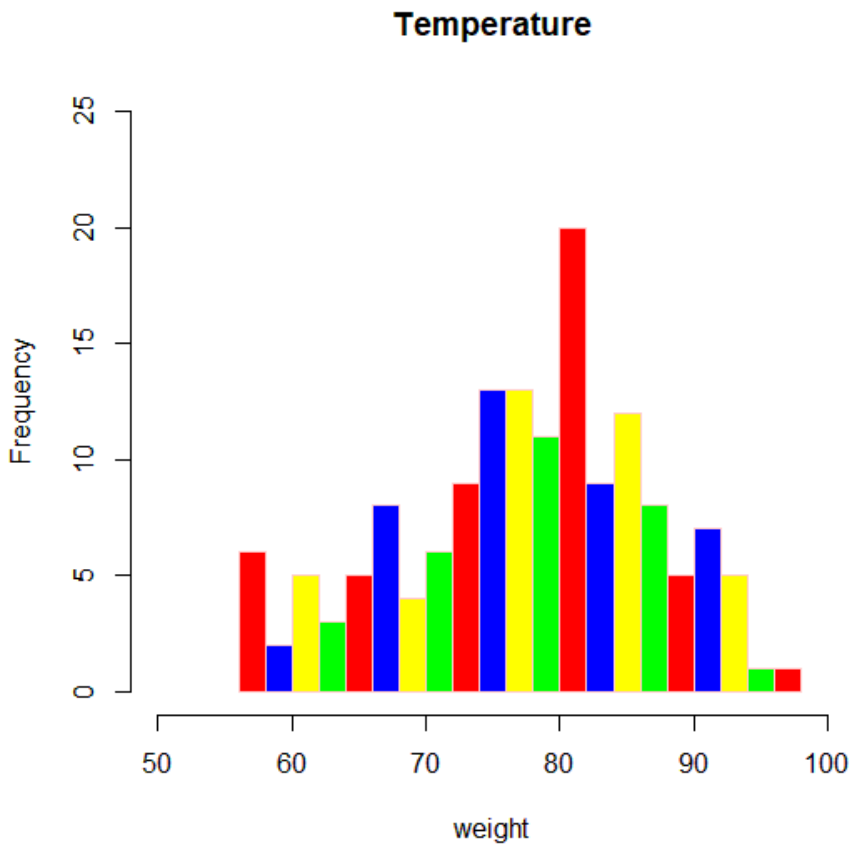
hist(airquality$Temp, breaks = 20, main = "Temperature", xlab = "weight", xlim=c(50,100), ylim=c(0,25))



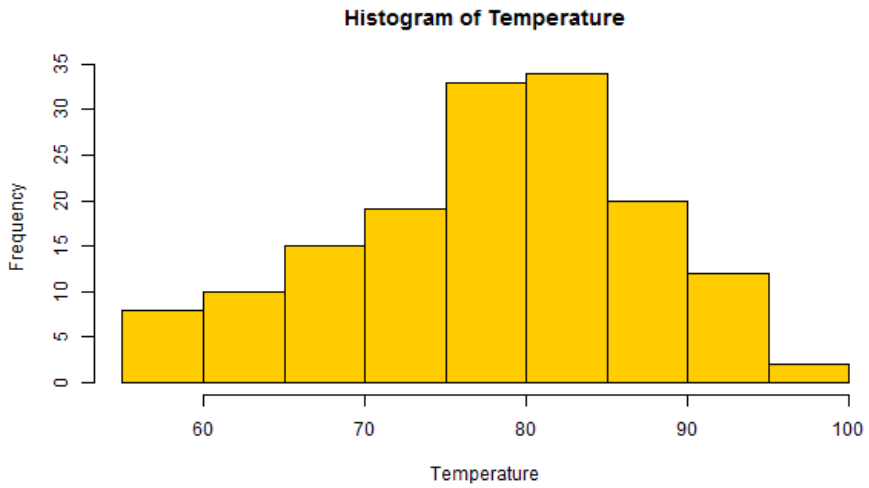

```
hist(airquality$Temp, breaks = 20, main = "Temperature", xlab = "weight",
xlim=c(50,100), ylim=c(0,25), col="red")
```



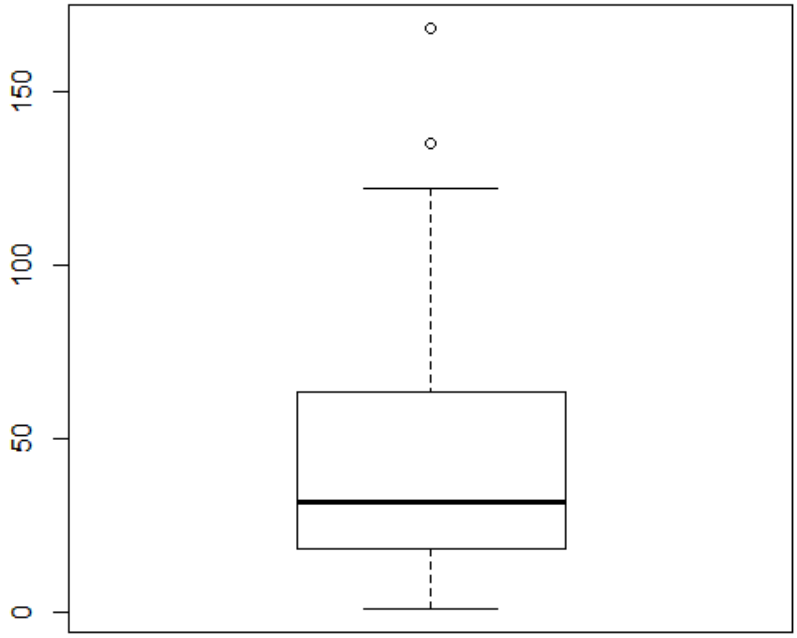

```
hist(airquality$Temp, breaks = 20, main = "Temperature", xlab = "weight",
xlim=c(50,100), ylim=c(0,25), col=c("red","blue","yellow","green"))
```



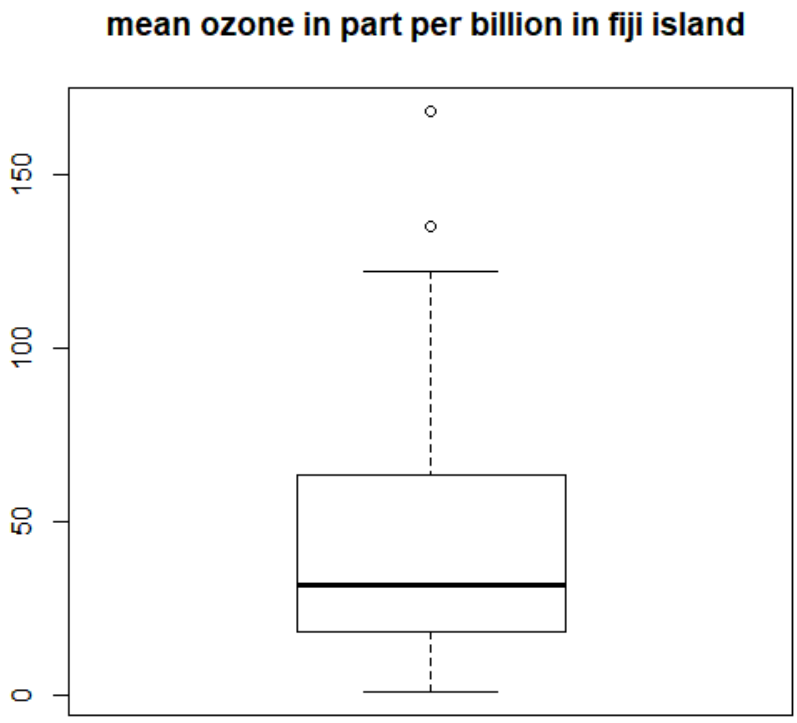

```
png(file="C:/Datamentor/R-tutorial/saving_plot2.png",
width=600, height=350)
hist(Temperature, col="gold") dev.off()
```



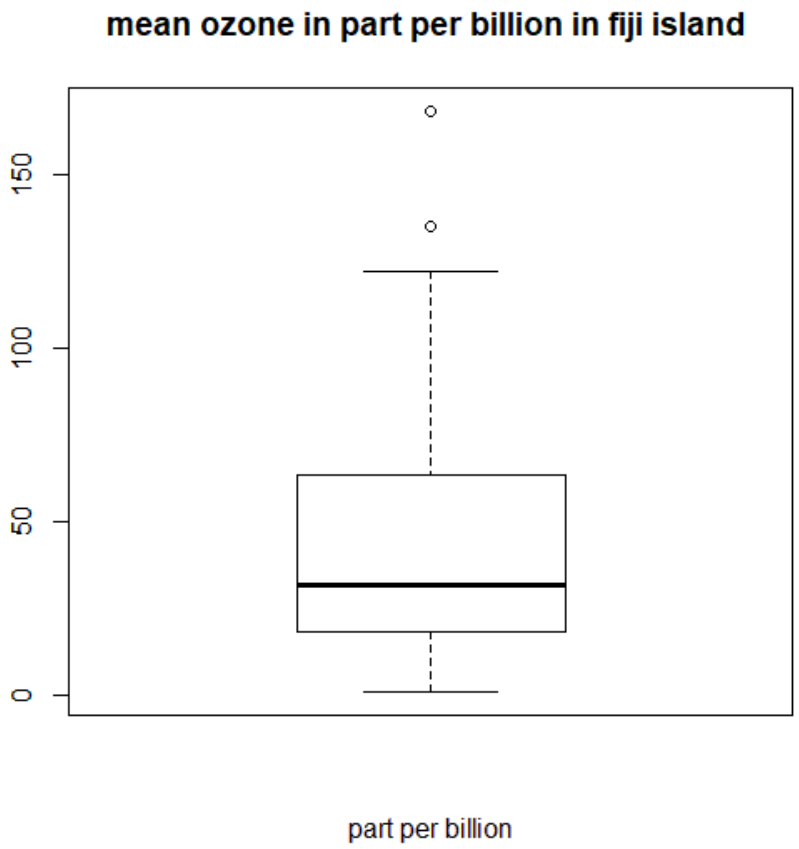
boxplot(airquality$Ozone)



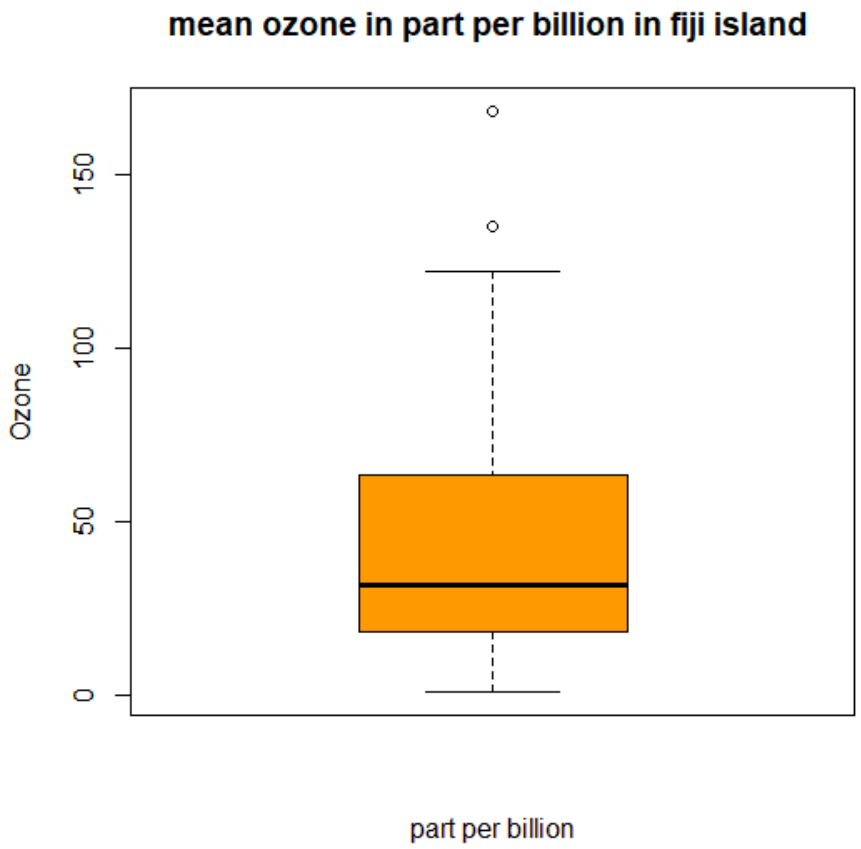
boxplot(airquality$Ozone, main = "mean ozone in part per billion in fiji island ")



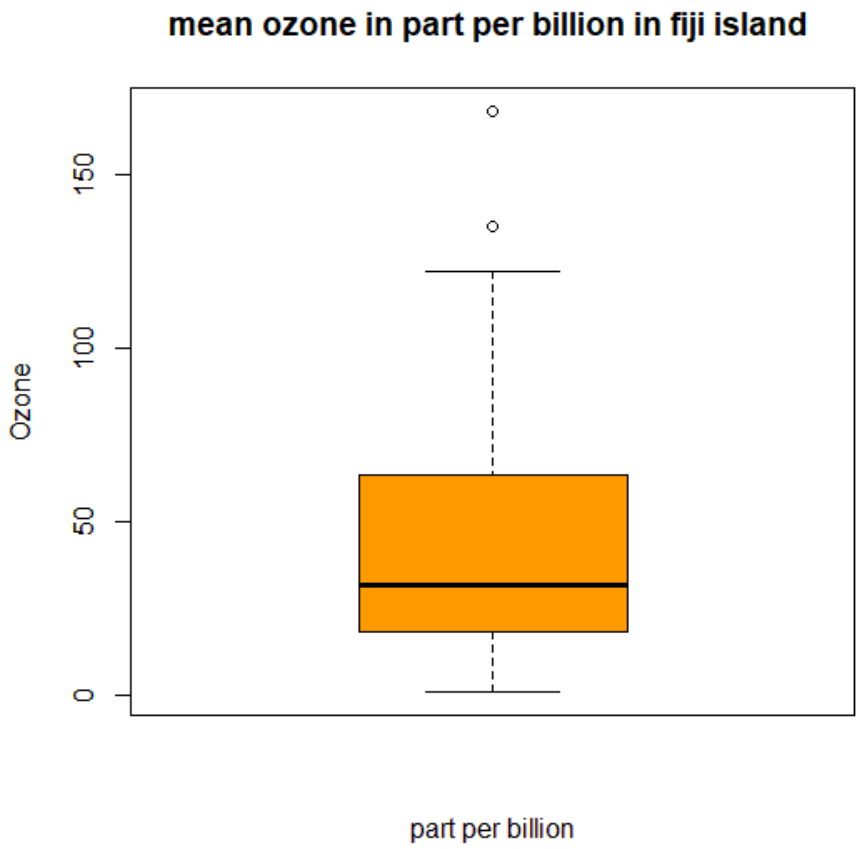
boxplot(airquality$Ozone, main = "mean ozone in part per billion in fiji island ",xlab="part per billion")



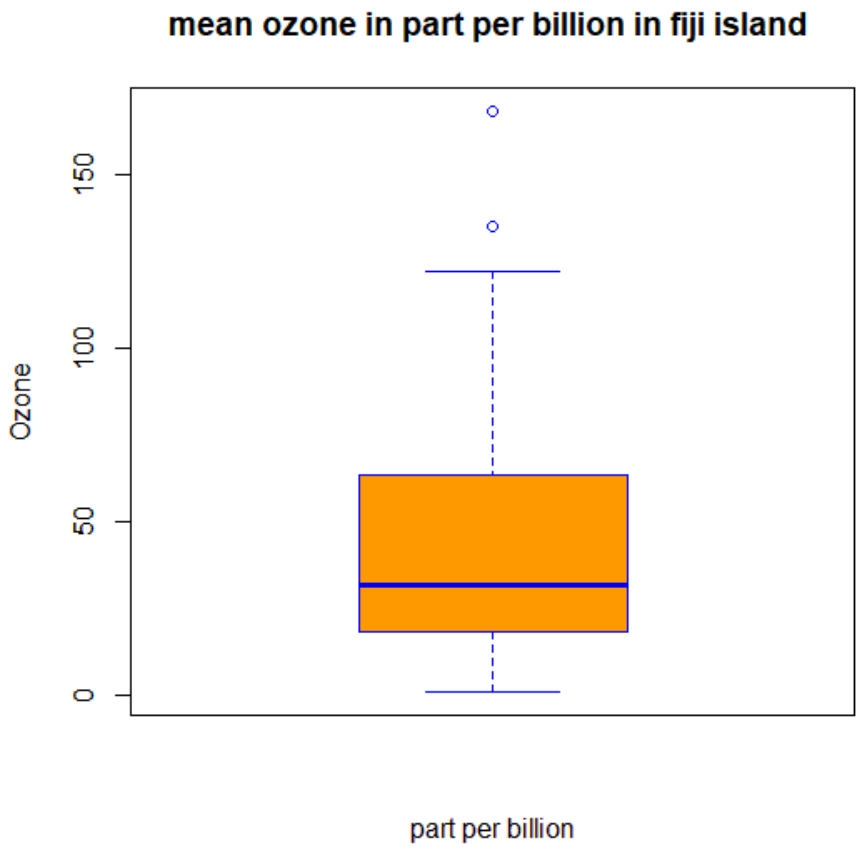
boxplot(airquality$Ozone, main = "mean ozone in part per billion in fiji island ",xlab="part per billion",ylab="Ozone")



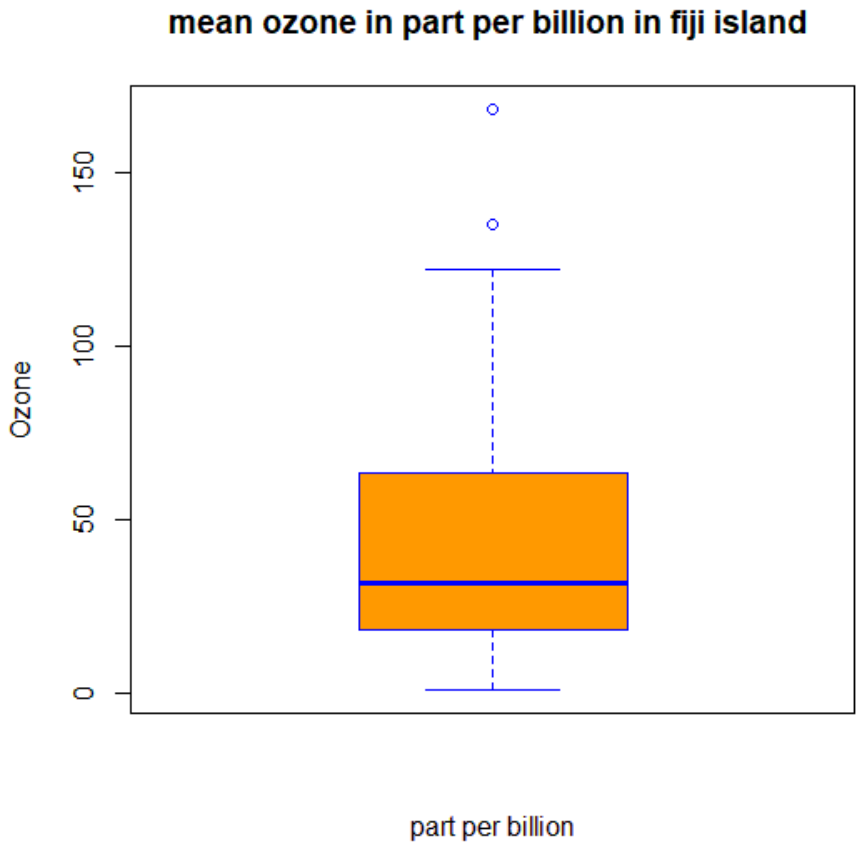
boxplot(airquality$Ozone, main = "mean ozone in part per billion in fiji island ",xlab="part per billion",ylab="Ozone",col="orange")



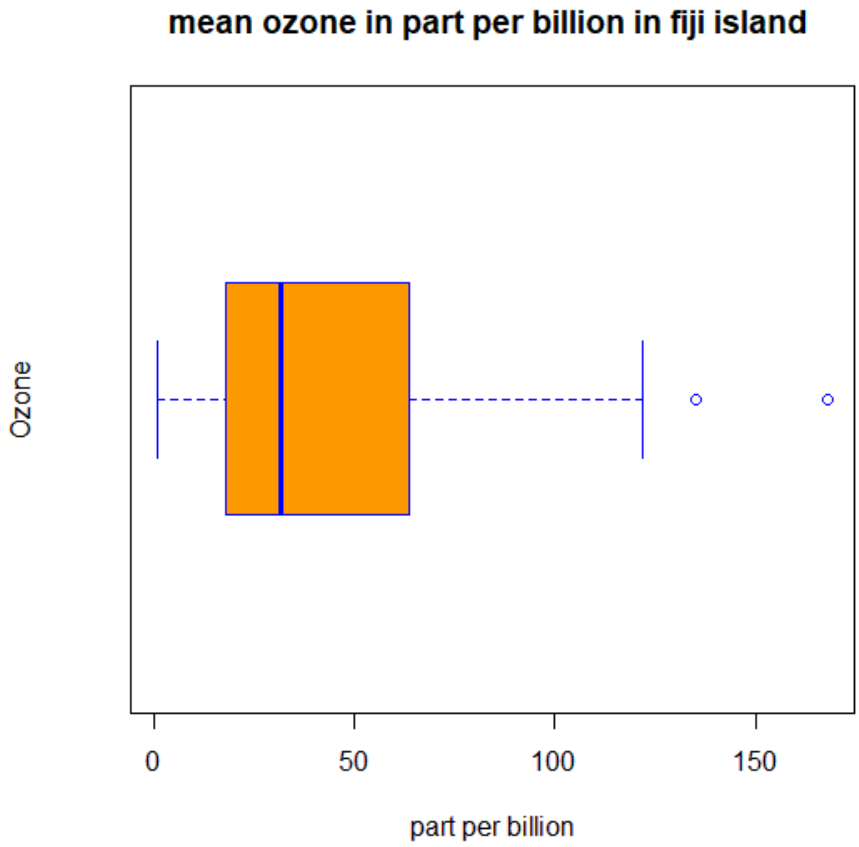
boxplot(airquality$Ozone, main = "mean ozone in part per billion in fiji island ",xlab="part per billion",ylab="Ozone",col="orange",border="blue")



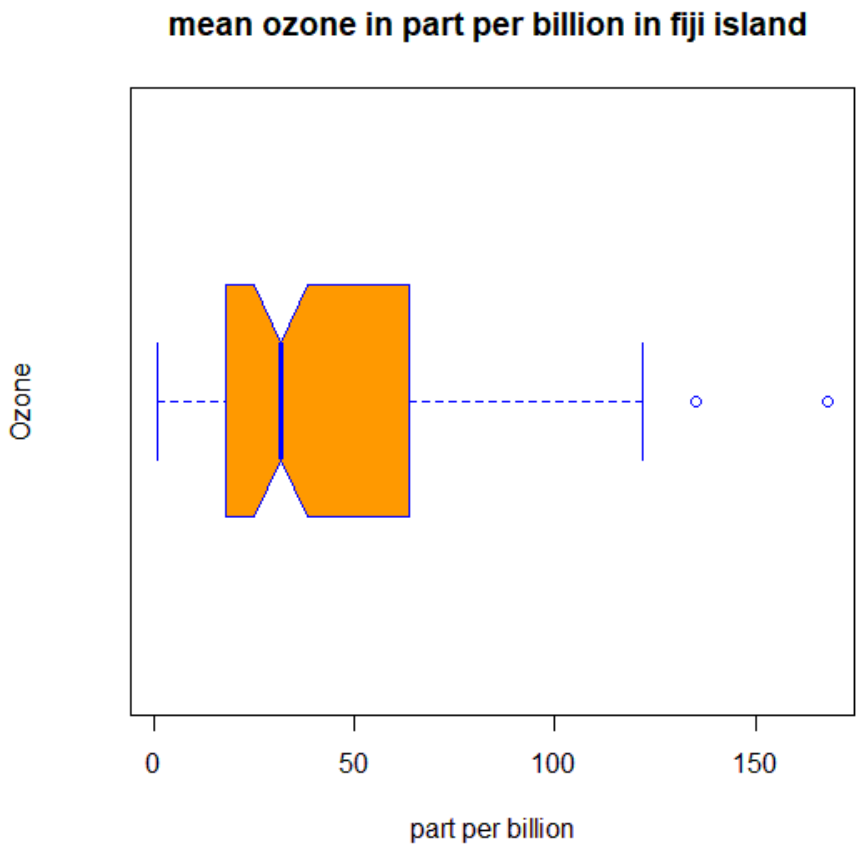
boxplot(airquality$Ozone, main = "mean ozone in part per billion in fiji island ",xlab="part per billion",ylab="Ozone",col="orange",border="blue")



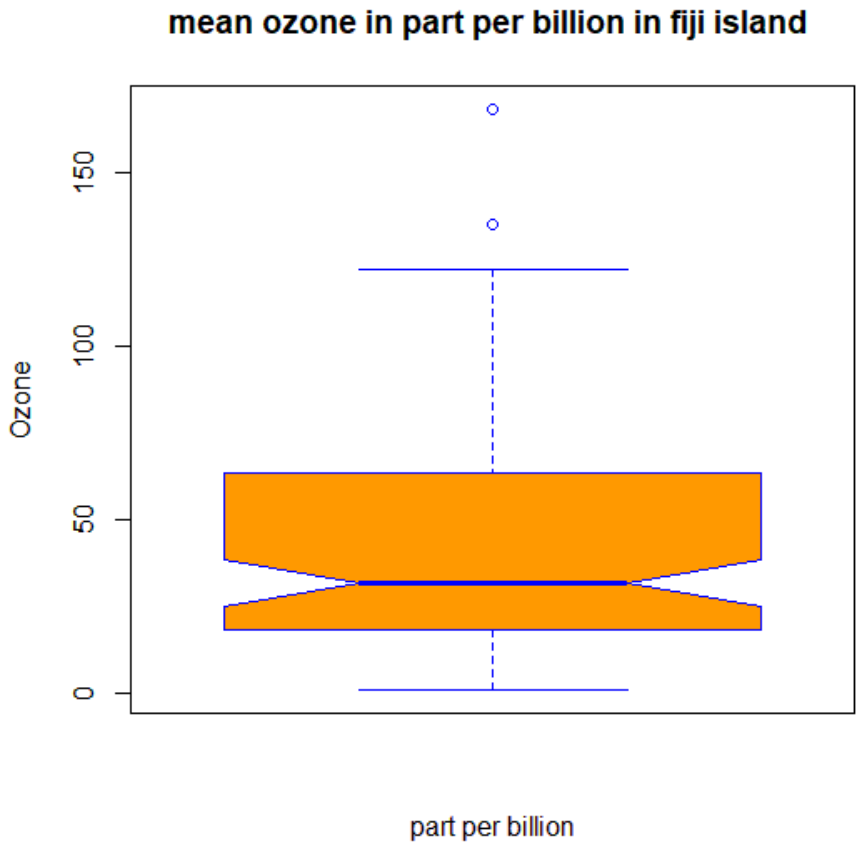

```
boxplot(airquality$Ozone, main = "mean ozone in part per billion in fiji island
",xlab="part per
billion",ylab="Ozone",col="orange",border="blue",horizontal=TRUE)
```



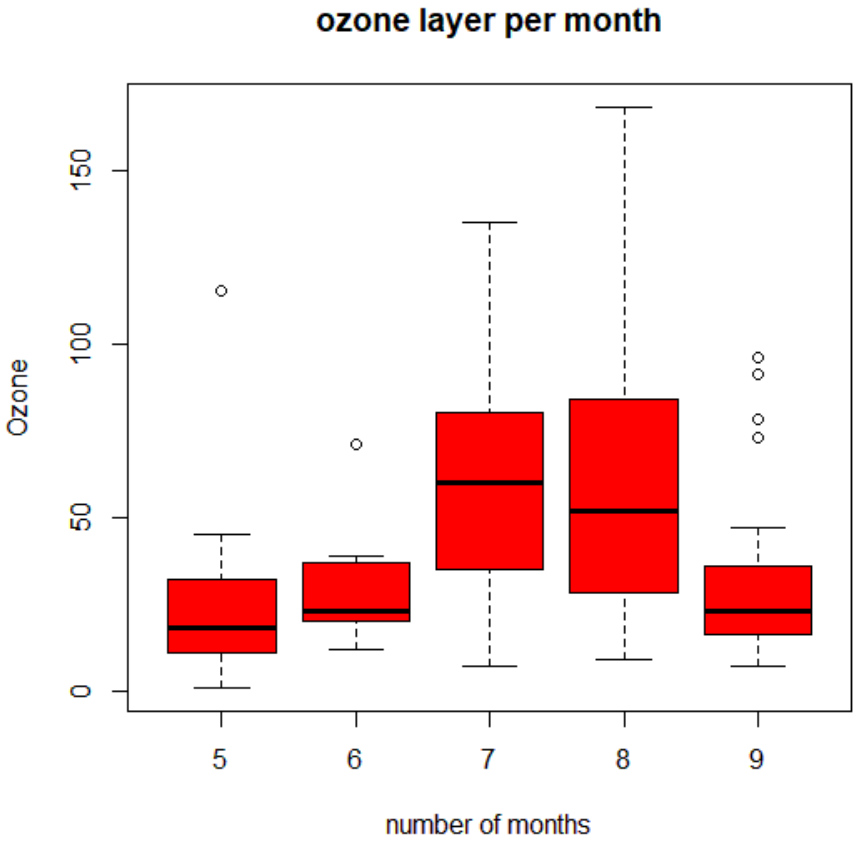

```
boxplot(airquality$Ozone, main = "mean ozone in part per billion in fiji island
",xlab="part per
billion",ylab="Ozone",col="orange",border="blue",horizontal=TRUE,notch=TRUE)
```



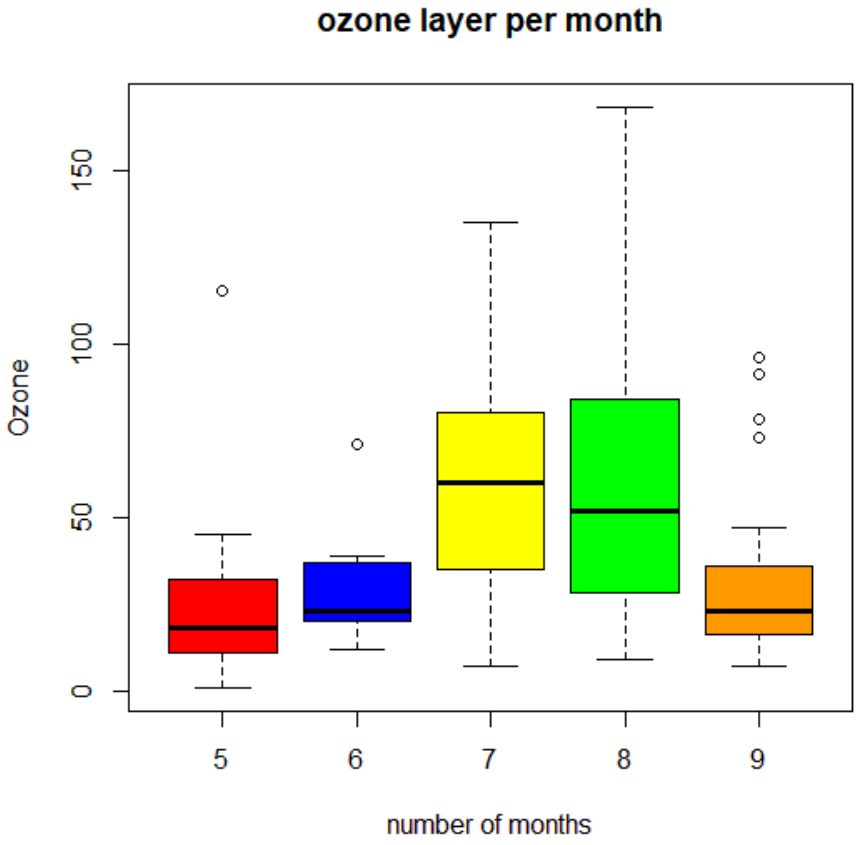

```
boxplot(airquality$Ozone, main = "mean ozone in part per billion in fiji island
",xlab="part per
billion",ylab="Ozone",col="orange",border="blue",varwidth=TRUE,notch=TRUE)
```



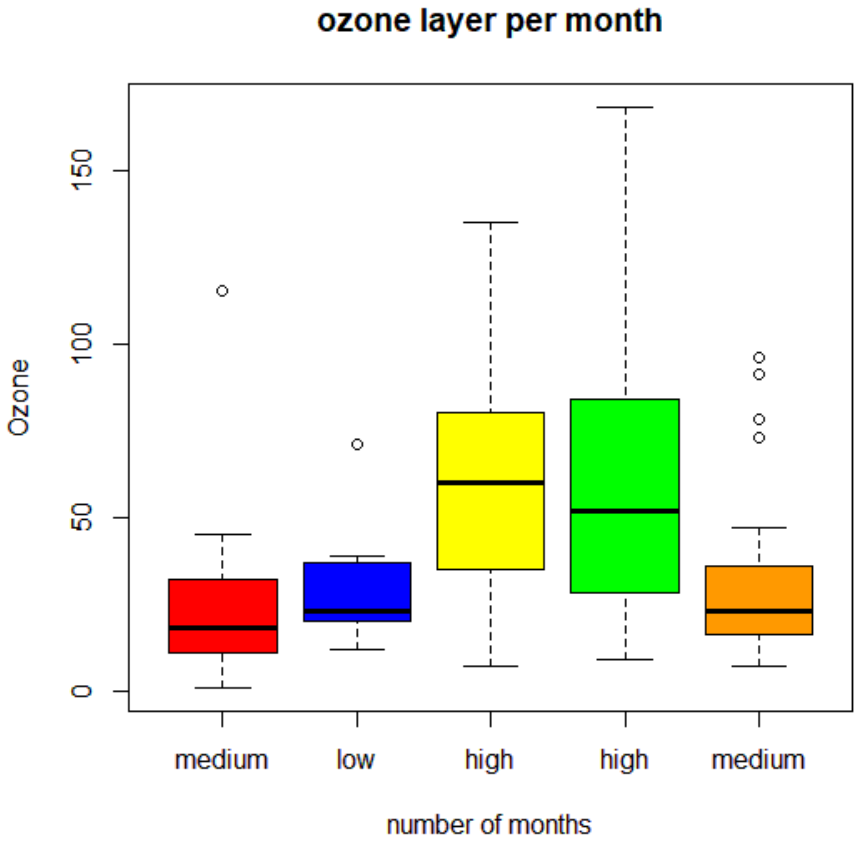
boxplot(Ozone~Month,data=airquality,main="ozone layer per month",xlab="number of months",ylab="Ozone",col="red")



boxplot(Ozone~Month,data=airquality,main="ozone layer per month",xlab="number of months",ylab="Ozone",col=c("red","blue","yellow","green","orange"))

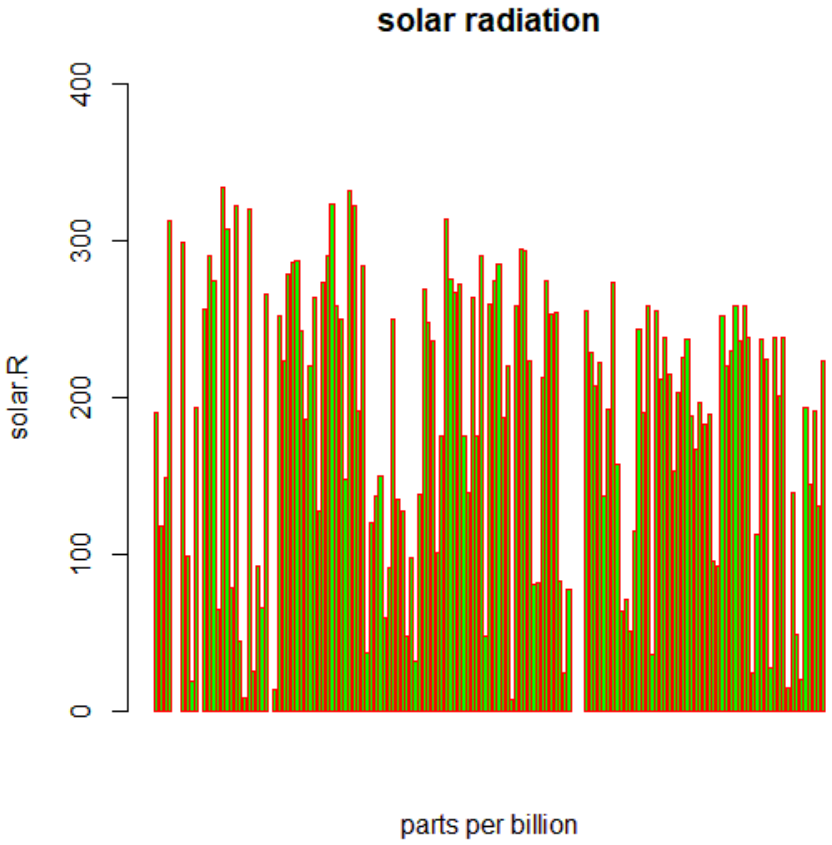


boxplot(Ozone~Month,data=airquality,main="ozone layer per month",xlab="number of months",ylab="Ozone",col=c("red","blue","yellow","green","orange"),names=c("medium","low","high","high","medium"))

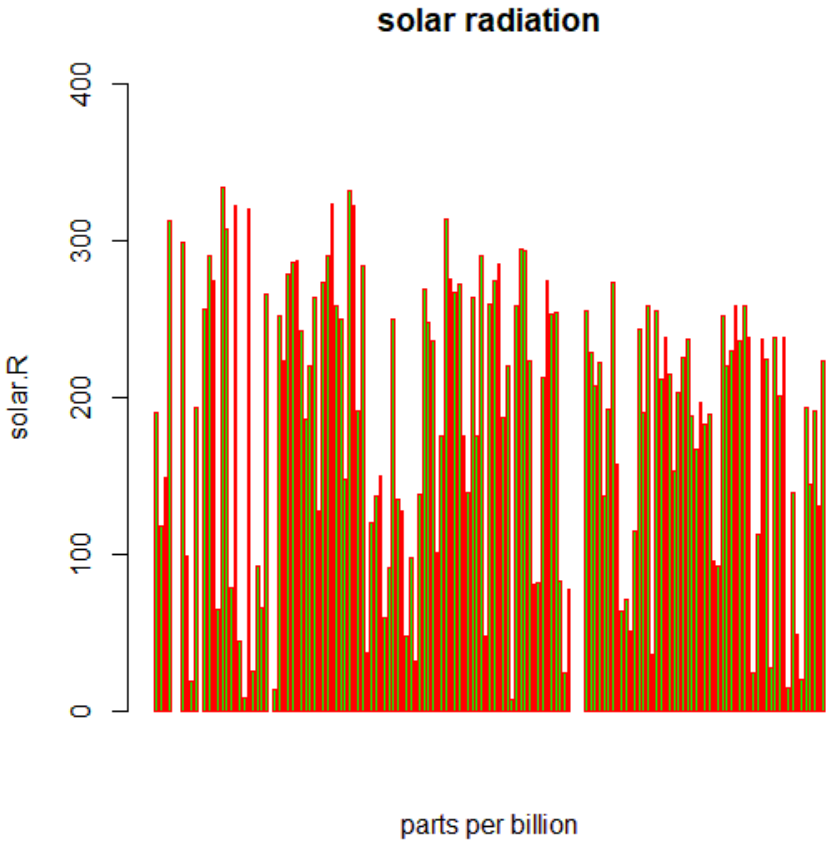


barplot(airquality$Solar.R)

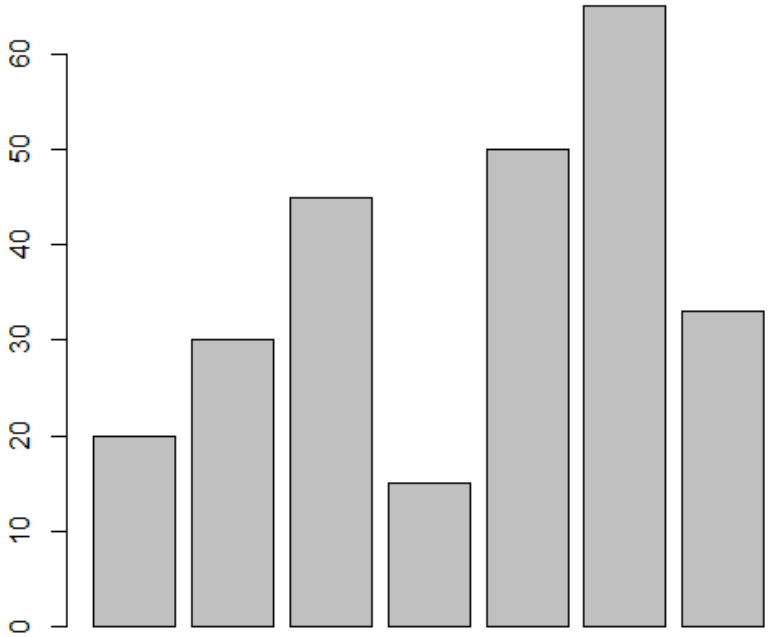
barplot(airquality$Solar.R,main="solar radiation",xlab="parts per billion",ylab="solar.R",ylim=c(0,400),col="green",border="red")



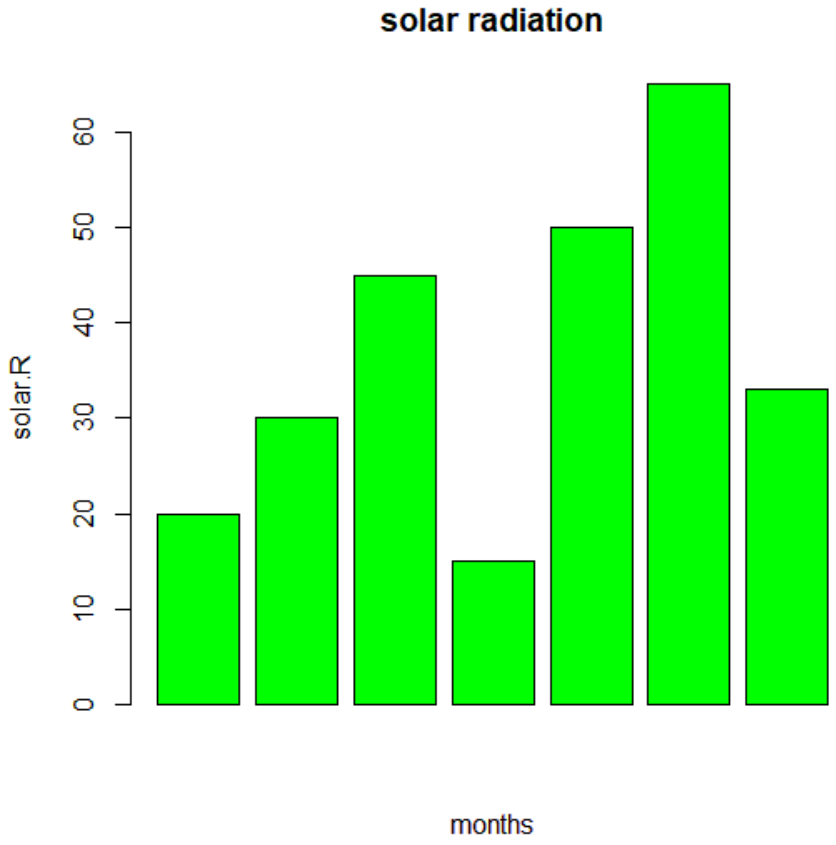

```
barplot(airquality$Solar.R,main="solar radiation",xlab="parts per billion",ylab="solar.R",ylim=c(0,400),col="green",border="red",space=0.5)
```



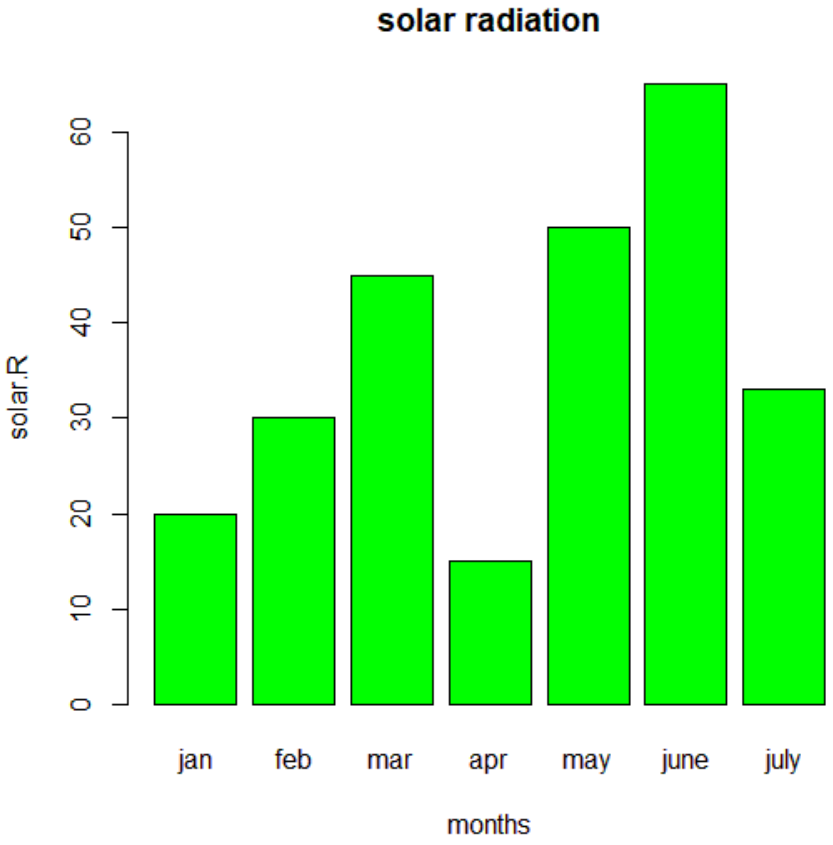
barplot(Solar.R)



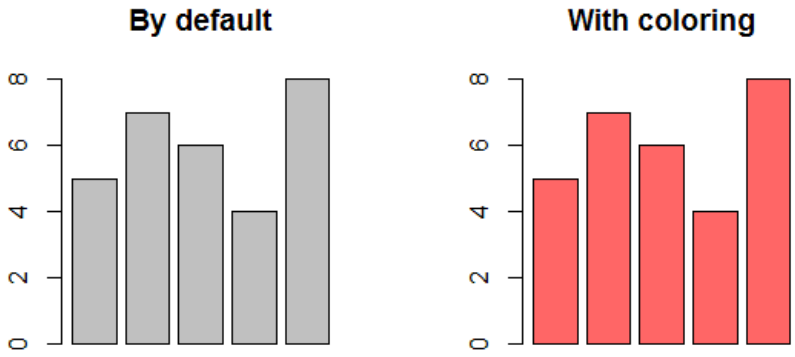

```
barplot(Solar.R,main="solar radiation",col="green",xlab="months",ylab="solar.R")
```

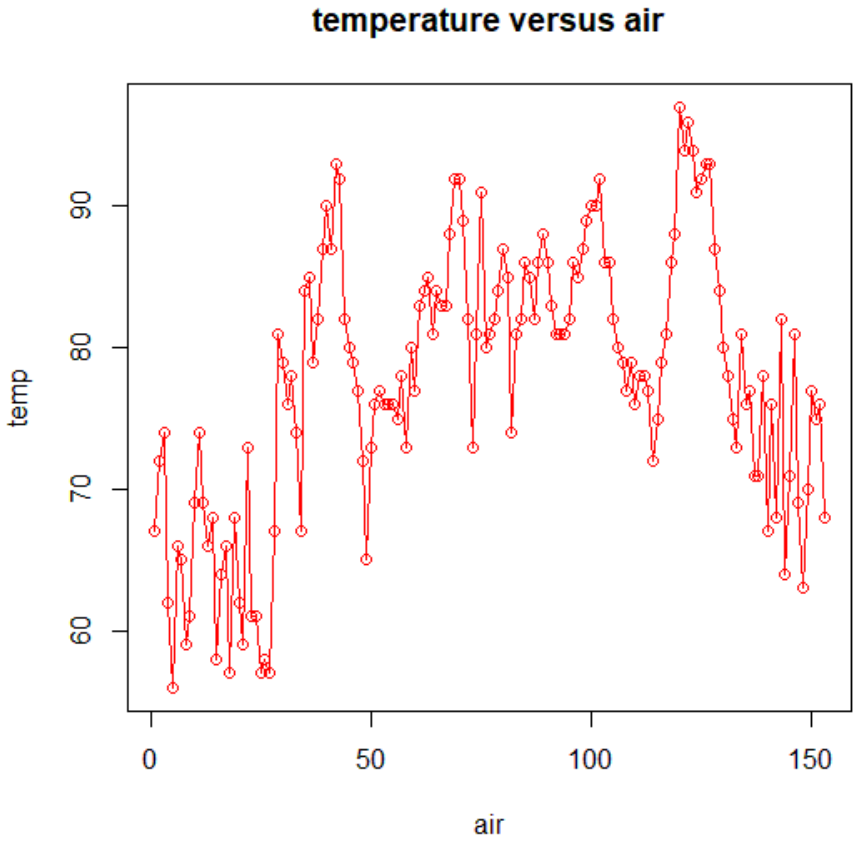


barplot(Solar.R,main="solar radiation",col="green",xlab="months",ylab="solar.R",names.arg=c("jan","feb","mar","apr","may","june","july"))

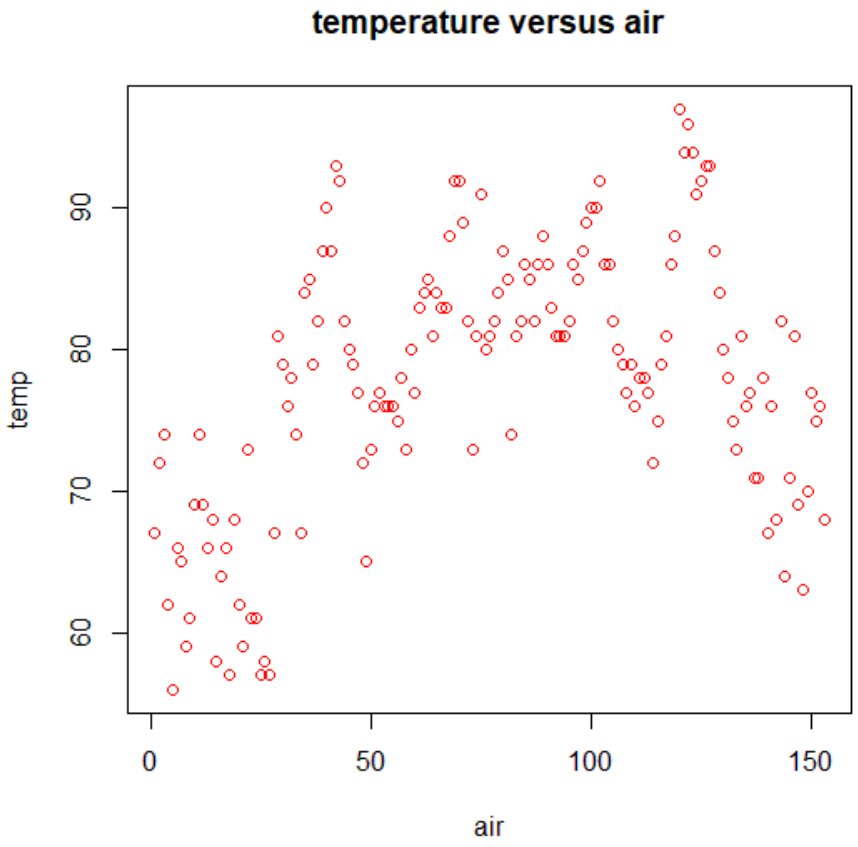



```
temp <- c(5,7,6,4,8)
barplot(temp, main="By default")
barplot(temp, col="coral", main="With coloring")
```

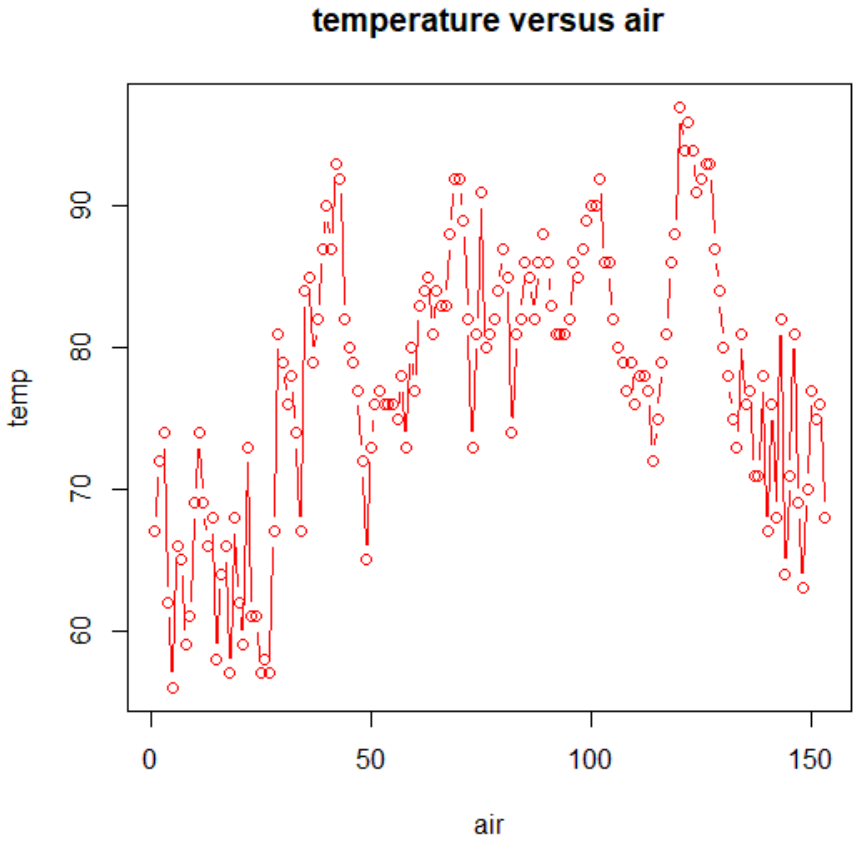




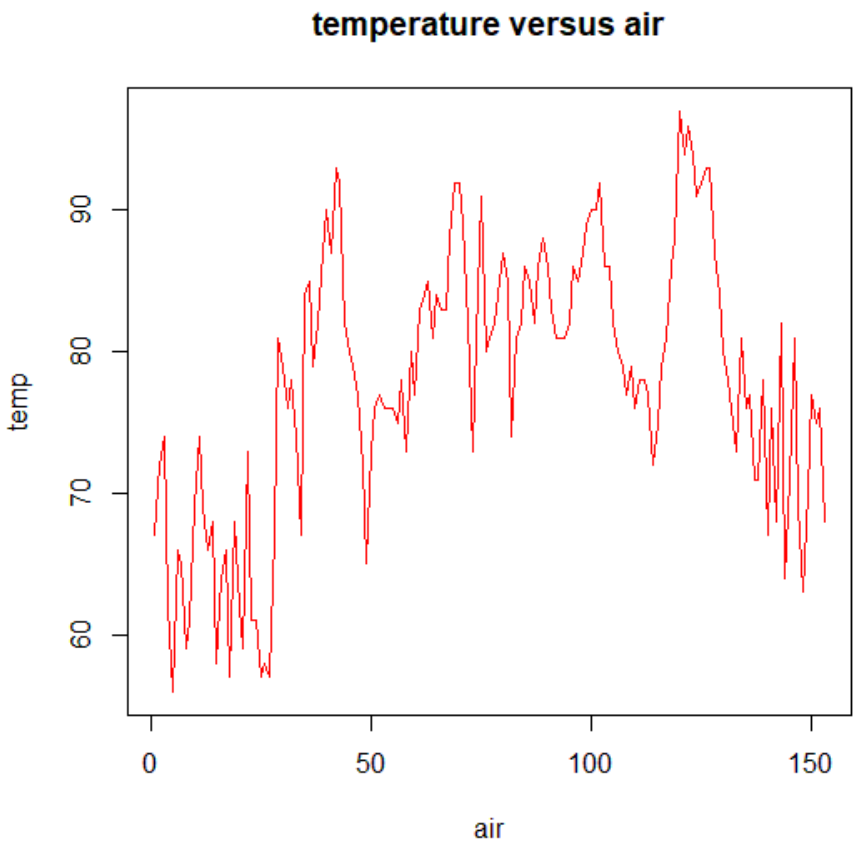

```
plot(airquality$Temp,type="p",main="temperature versus
air",col="red",xlab="air",ylab="temp")
```



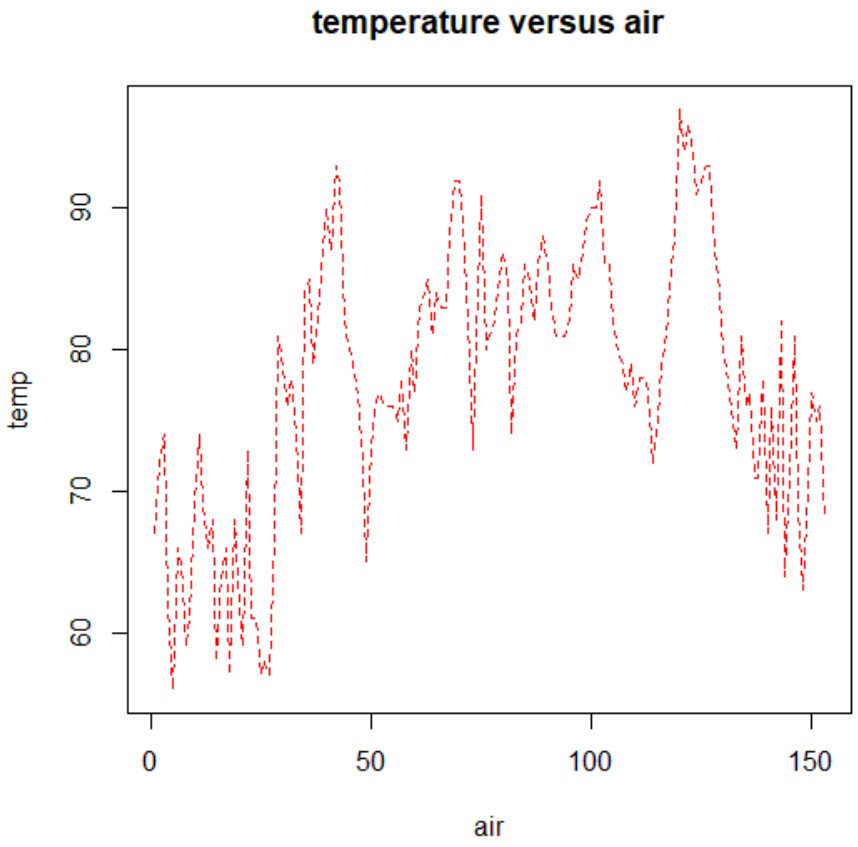

```
plot(airquality$Temp,type="o",main="temperature versus
air",col="red",xlab="air",ylab="temp")
```



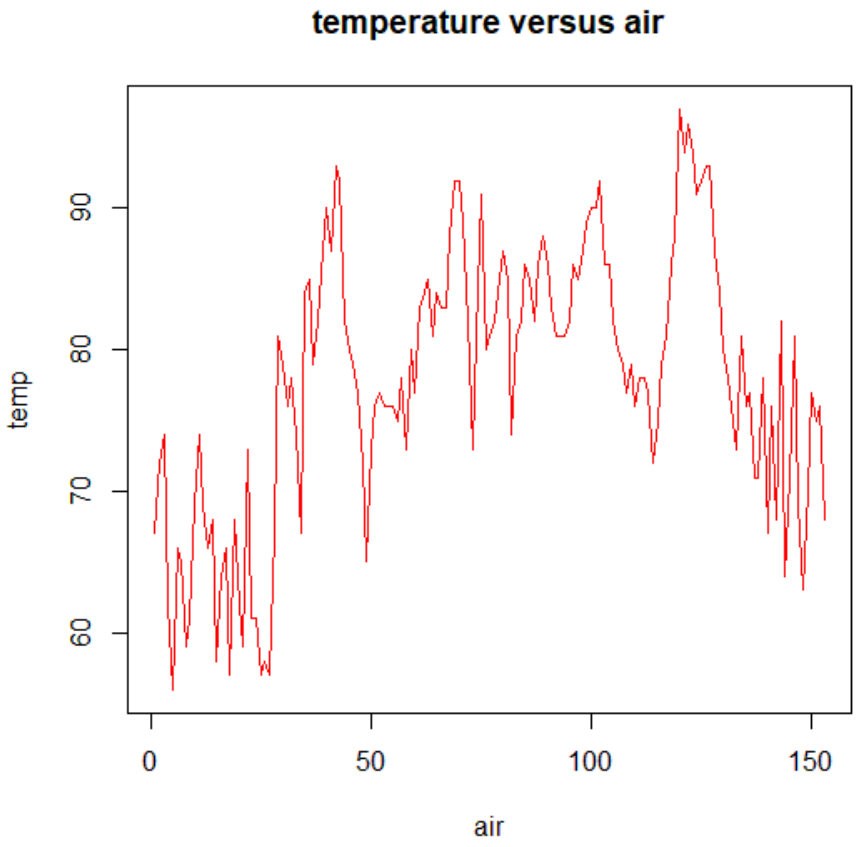

```
plot(airquality$Temp,type="b",main="temperature versus
air",col="red",xlab="air",ylab="temp")
```



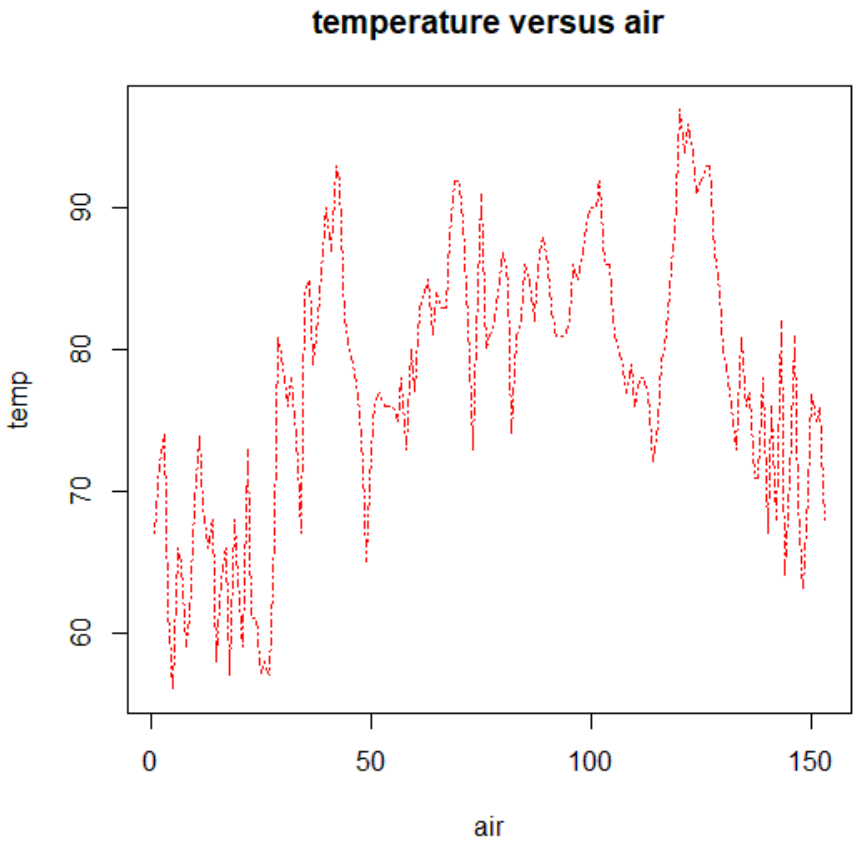

```
plot(airquality$Temp,type="l",main="temperature versus
air",col="red",xlab="air",ylab="temp")
```



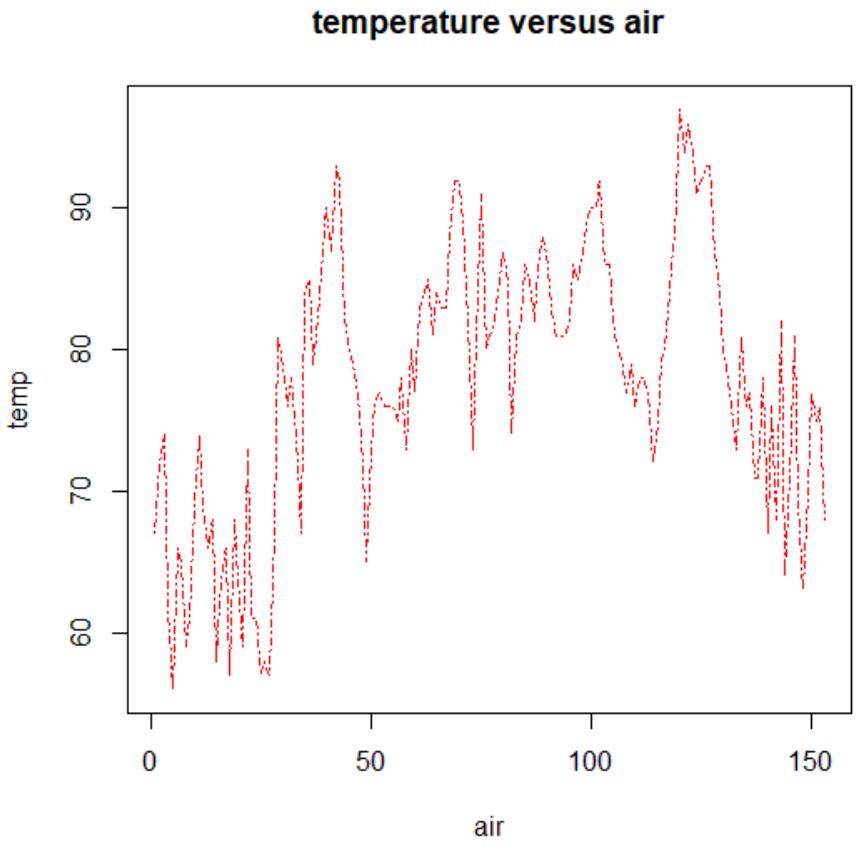

```
plot(airquality$Temp,type="l",main="temperature versus
air",col="red",xlab="air",ylab="temp",lty=2)
```



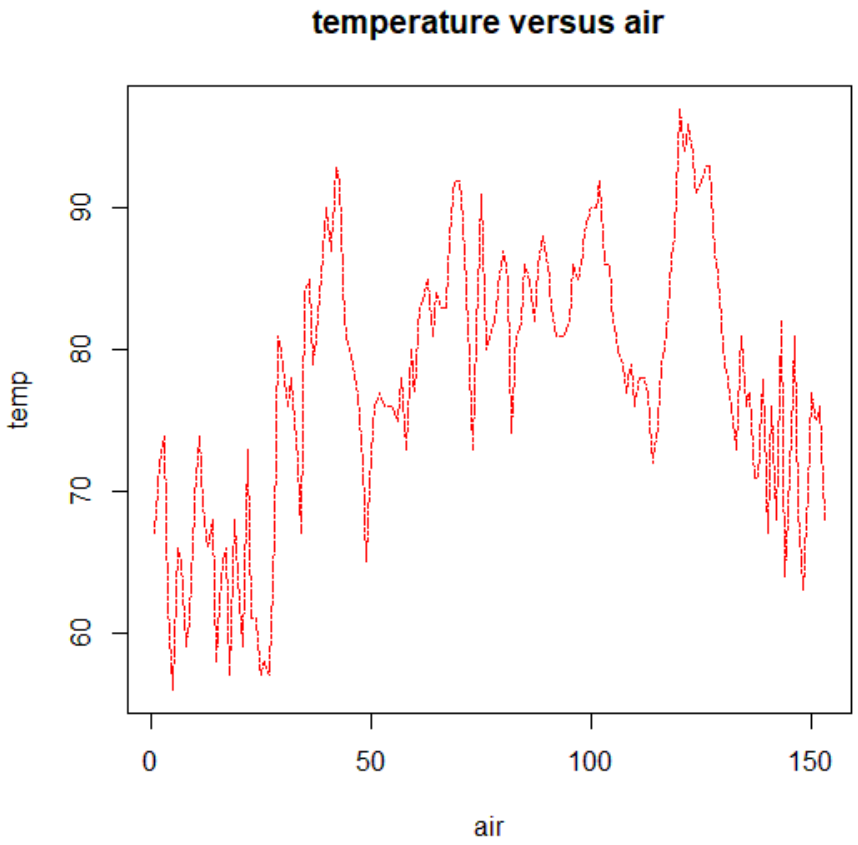

```
plot(airquality$Temp,type="l",main="temperature versus
air",col="red",xlab="air",ylab="temp",lty=1)
```



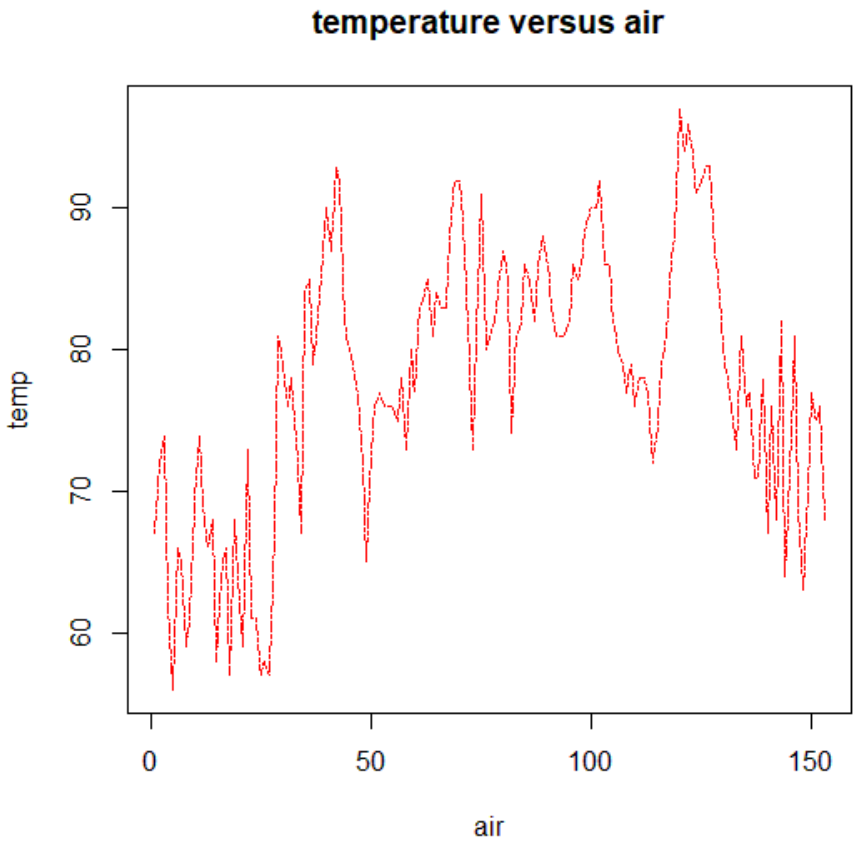

```
plot(airquality$Temp,type="l",main="temperature versus
air",col="red",xlab="air",ylab="temp",lty=4)
```



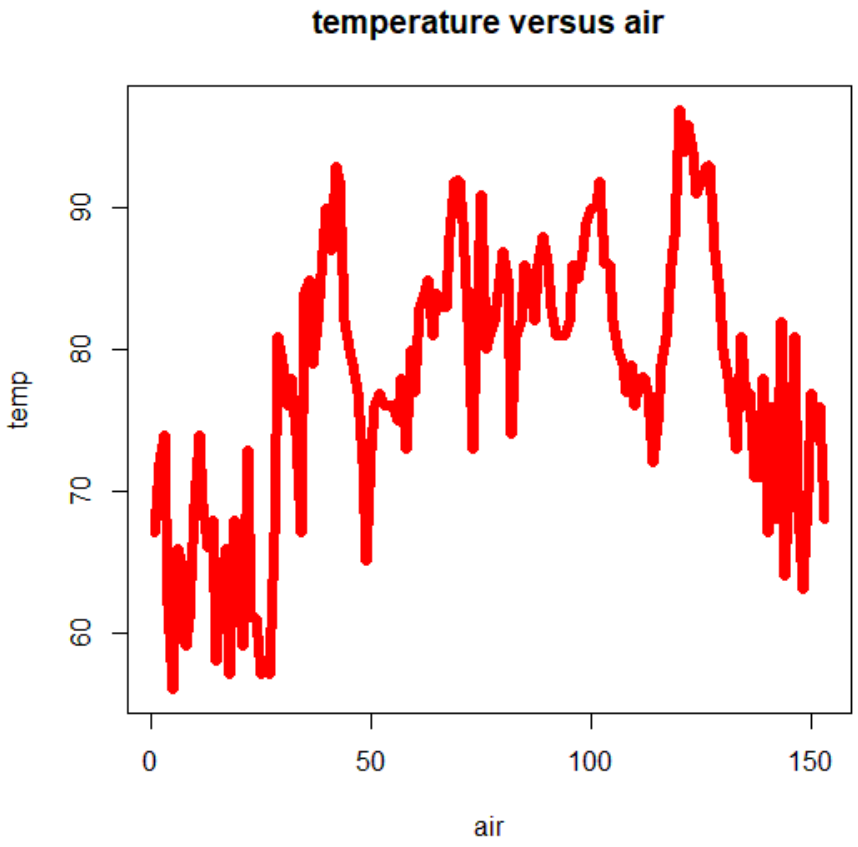

```
plot(airquality$Temp,type="l",main="temperature versus
air",col="red",xlab="air",ylab="temp",lty=3)
```



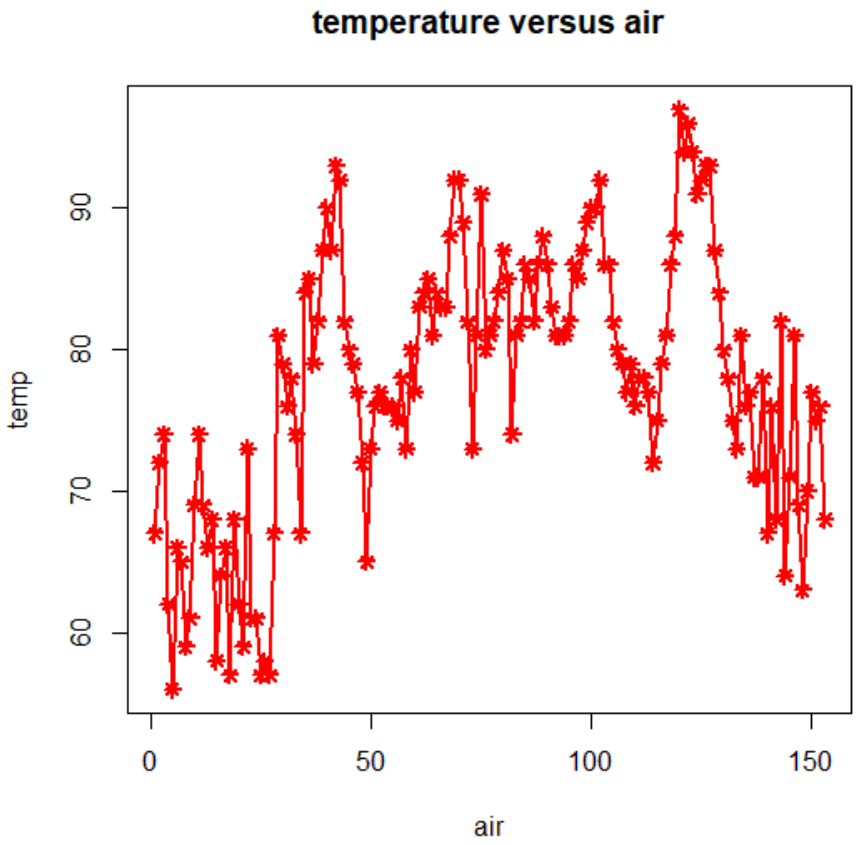

```
plot(airquality$Temp,type="l",main="temperature versus
air",col="red",xlab="air",ylab="temp",lty=6)
```



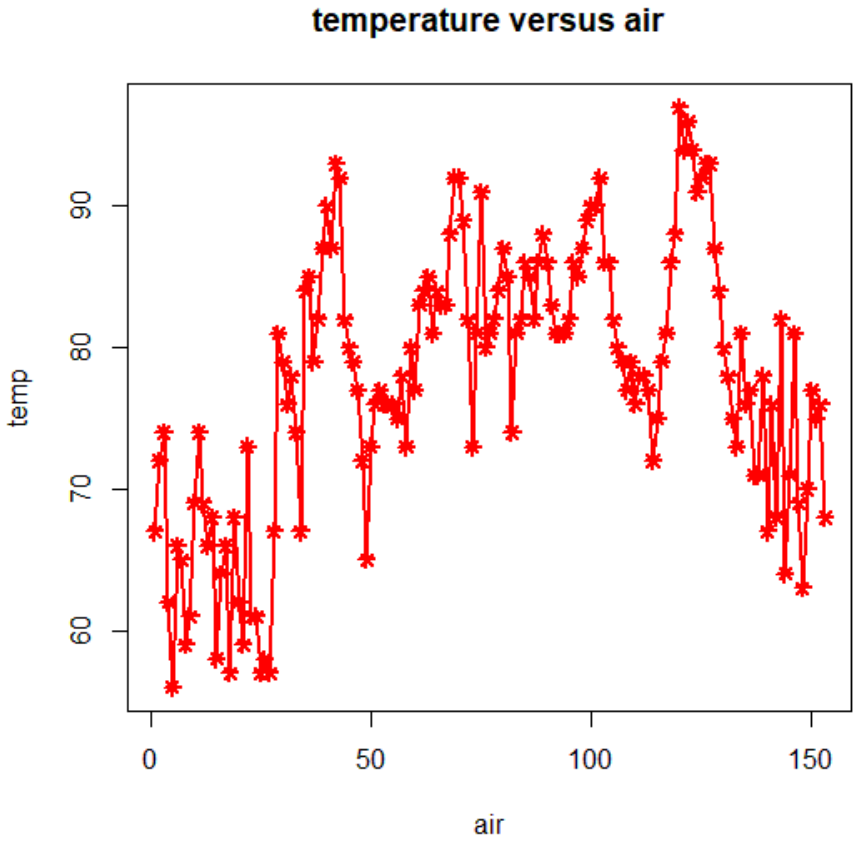

```
plot(airquality$Temp,type="l",main="temperature versus
air",col="red",xlab="air",ylab="temp",lty=1,lwd=6)
```



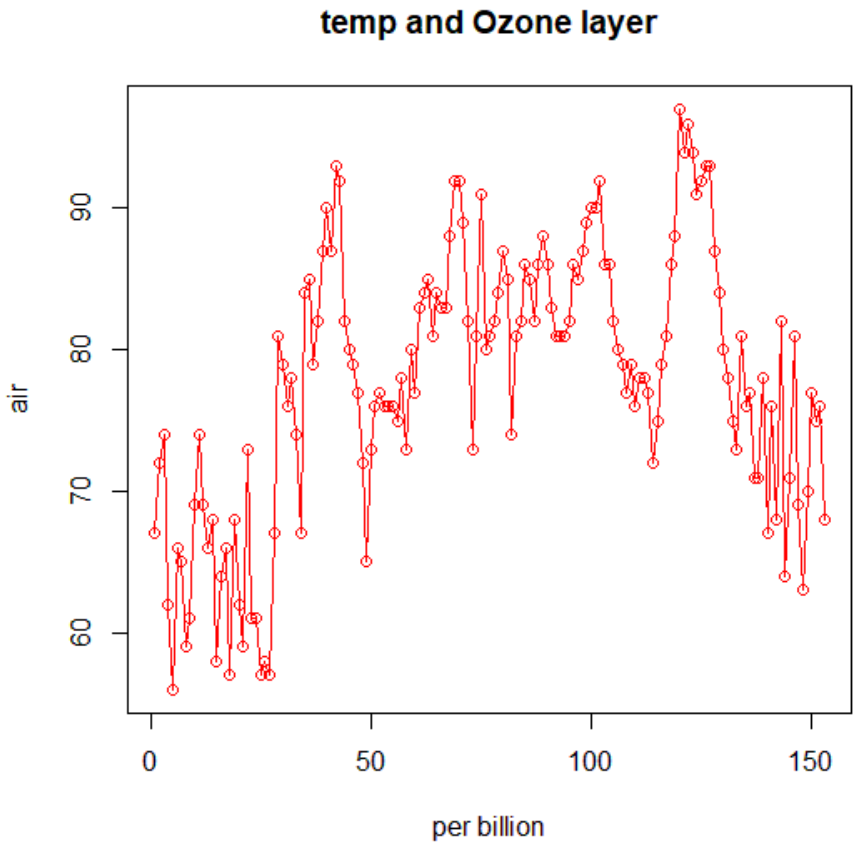

```
plot(airquality$Temp,type="o",main="temperature versus
air",col="red",xlab="air",ylab="temp",lty=1,lwd=2,pch=8)
```



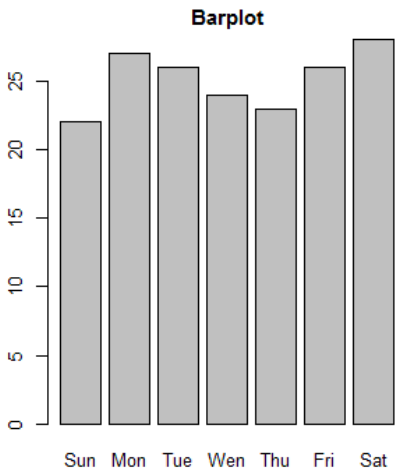
plot(airquality$Temp,type="o",main="temp and Ozone layer",col="red",xlab="per billion",ylab="air")

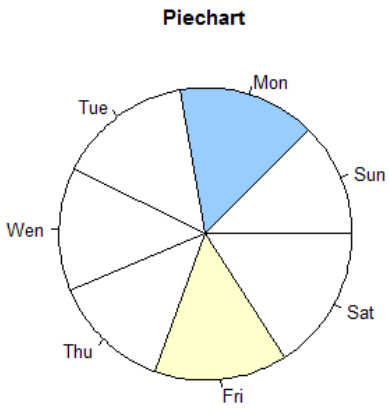



```
plot(airquality$Temp,type="o",main="temp and Ozone layer",col="red",xlab="per billion",ylab="air",legend("topleft",legend=c("Temp","Ozone"),fill=c("red","green")))
```

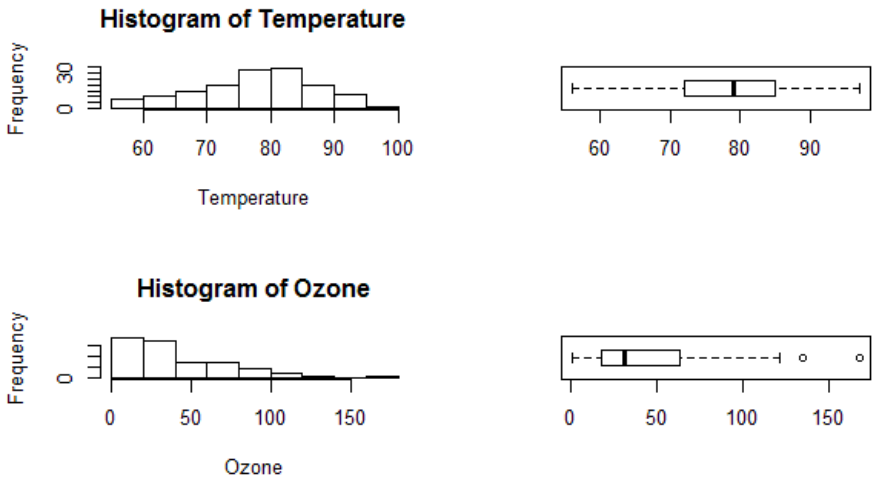



```
max.temp    # a vector used for plotting
Sun Mon Tue Wen Thu Fri Sat
22  27  26  24  23  26  28
par(mfrow=c(1,2))    # set the plotting area into a 1*2 array
barplot(max.temp, main="Barplot")
pie(max.temp, main="Piechart", radius=1)
```

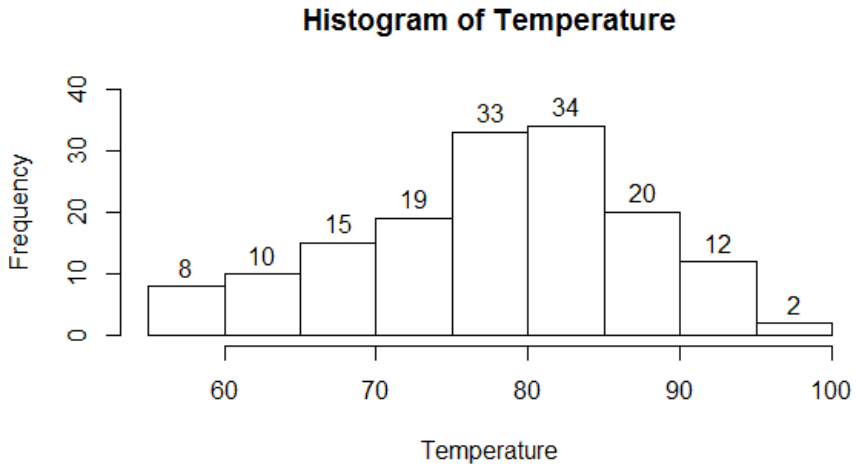




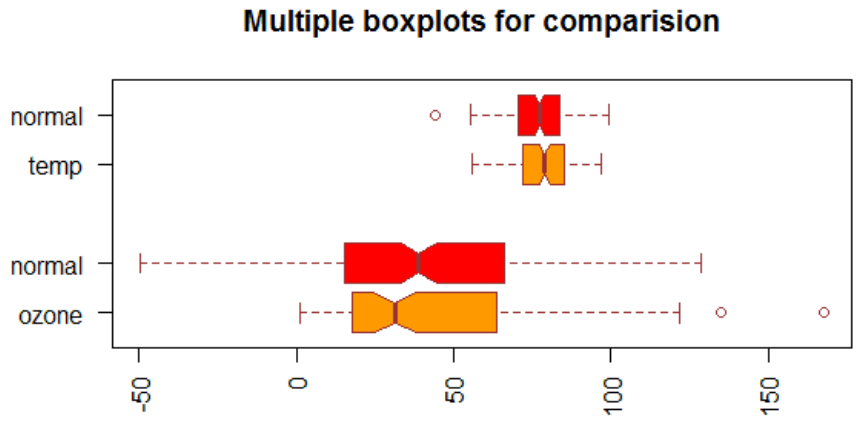

```
emperature <- airquality$Temp
Ozone <- airquality$Ozone
par(mfrow=c(2,2))
hist(Temperature)
boxplot(Temperature, horizontal=TRUE)
hist(Ozone)
boxplot(Ozone, horizontal=TRUE)
```



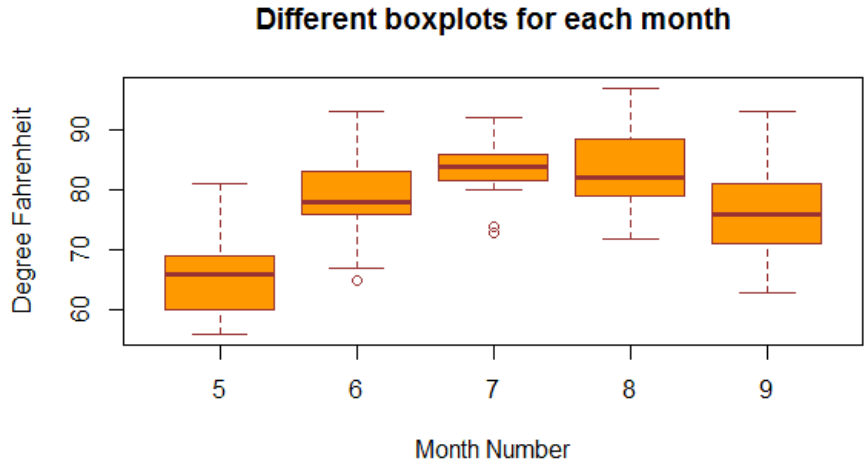

```
h <- hist(Temperature,ylim=c(0,40))
text(h$mids,h$counts,labels=h$counts, adj=c(0.5, -0.5))
>barplot(max.temp,
main = "Maximum Temperatures in a Week",
xlab = "Degree Celsius",
ylab = "Day",
names.arg = c("Sun", "Mon", "Tue", "Wed", "Thu", "Fri", "Sat"),
col = "darkred",
horiz = TRUE)
```




```
boxplot(ozone, ozone_norm, temp, temp_norm,
main = "Multiple boxplots for comparision",
at = c(1,2,4,5),
names = c("ozone", "normal", "temp", "normal"),
las = 2,
col = c("orange","red"),
border = "brown",
horizontal = TRUE,
notch = TRUE
)
```

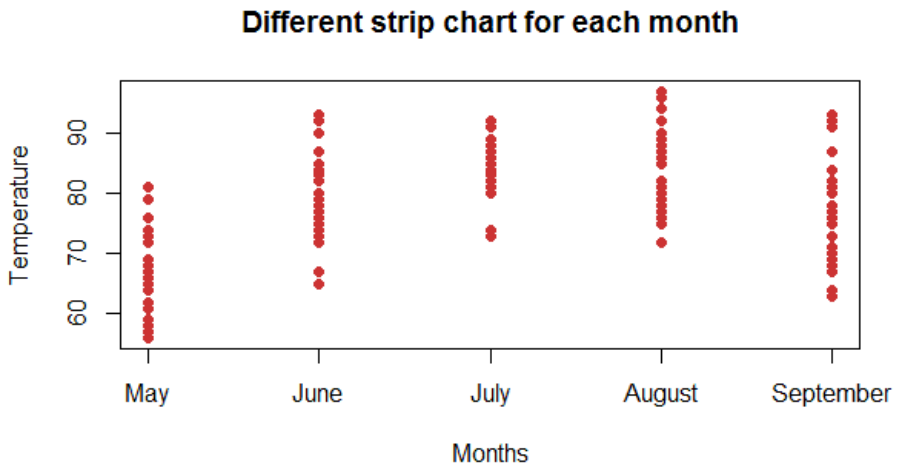



```
boxplot(Temp~Month,
data=airquality,
main="Different boxplots for each month",
xlab="Month Number",
ylab="Degree Fahrenheit",
col="orange",
border="brown"
```



)

```
stripchart(Temp~Month,
data=airquality,
main="Different strip chart for each month",
xlab="Months",
ylab="Temperature",
col="brown3",
group.names=c("May","June","July","August","September"),
vertical=TRUE,
pch=16
)
```




```
>stripchart(x,
main="Multiple stripchart for comparision",
xlab="Degree Fahrenheit",
ylab="Temperature",
```

method="jitter",

col=c("orange","red"),

pch=16)