```{r }

BP<-read.csv("C:\\Users\\jsang\\Downloads\\BP.csv")

```

```{r}

cardiac<-read.csv("C:\\Users\\jsang\\Downloads\\cardiac.csv")

```

```{r}

#check names of columns in cardiac

names(cardiac)

names(BP)

```

```{r}

#attaching my files so that I can easily get columns. Don't forget to detach!

attach(BP)

attach(cardiac)

```

```{r}

plot(~Age+SBP+DBP)

```

```{r}

plot(Age, SBP,main="Age and SBP",col=ifelse(SBP>120,"Red", "Blue"), xlab = "Age", ylab = "SBP")

abline(lm(SBP~Age), col="Purple")

```

```

```{r}

qqnorm(Physical.inactivity....teens. , col="Green")

qqline(Physical.inactivity....teens.)

```

```{r}

qqplot(Physical.inactivity....adults.,Physical.inactivity....teens. )

abline(lm(Physical.inactivity....adults.~Physical.inactivity....teens.), col="Yellow")

```

```{r}

hist(Physical.inactivity....teens., col="Light Blue")

```

```{r}

hist(Physical.inactivity....adults., col="Orange")

```

```{r formal test for normality}

teens\_Normal<- shapiro.test(Physical.inactivity....teens.)

teens\_Normal

adults\_Normal<-shapiro.test(Physical.inactivity....adults.)

adults\_Normal

```

```{r}

Village\_Variance<-bartlett.test(SBP,Village)

Village\_Variance

```

```{r}

boxplot(SBP~Village)

```

```{r}

boxplot(SBP~Village,par(las=2))

```

```{r}

Titanic

```

```{r}

class(Titanic)

```

```{r}

mosaicplot(Titanic,col=c("Blue","Red"))

```

```{r}

mosaicplot(margin.table(Titanic,2),col=c("Light Blue","Light Pink"))

```