

# 1031\_class

Suz

2019 10 31

*#READ MY CSVs*

```
hc<-data.frame(read.csv("HealthCare.csv",header=TRUE,encoding="UTF-8", stringsAsFactors=FALSE))
le<-data.frame(read.csv("LifeExpectancy.csv",header=TRUE,encoding="UTF-8", skip=2,stringsAsFactors=FALSE))
ob<-data.frame(read.csv("Obesity.csv",encoding="UTF-8", header=TRUE,stringsAsFactors=FALSE))
```

*#scattermatrix function*

```
create_scattermatrix<-function(countryabbr){

hc_subset<-hc[hc$X.U.FEFF.COUNTRY==countryabbr&hc$SUBJECT=="TOT"&hc$MEASURE=="PC_GDP",]

le_subset<-le[le$Country.Code==countryabbr,]

ob_subset<-ob[ob$ISO==countryabbr&ob$Sex=="Women",] #Women/Men

Years<-hc_subset$TIME[6:(length(hc_subset$TIME)-2)] #cut years from 1975 to 2016

Healthcare<-hc_subset$Value[6:(length(hc_subset$TIME)-2)] #cut years from 1975 to 2016

le_1975_2016<-data.frame(t(le_subset[23:length(le_subset)-3])) #cut years from 1975 to 2016
colnames(le_1975_2016)<-"LifeExpectancy" #change colname
print(length(le_1975_2016))

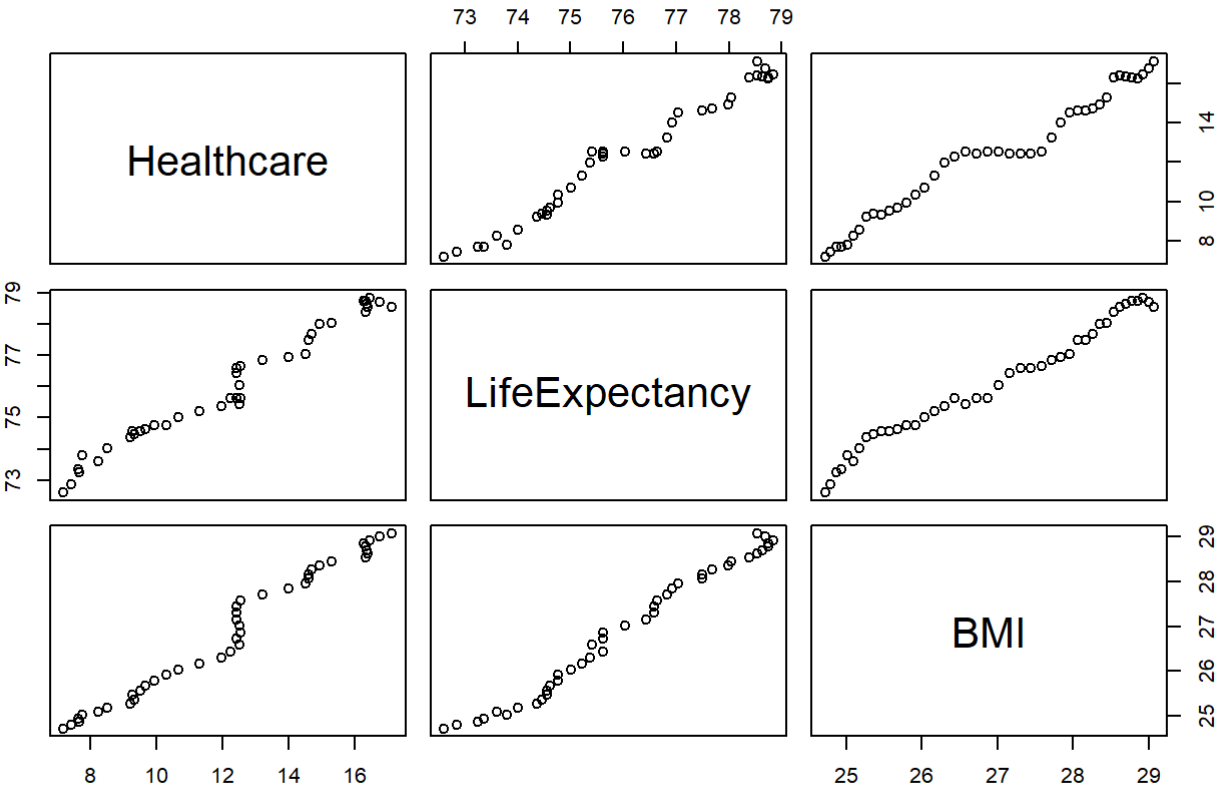
mydataset<-data.frame(Healthcare=Healthcare,LifeExpectancy=le_1975_2016,BMI=ob_subset$Mean.BMI)
#bind data frames. Years, Healthcare, LifeExpectancy, BMI
#print(mydataset)
#print(dim(mydataset))
pairs(~Healthcare+LifeExpectancy+BMI,data=mydataset,main=paste("Scatterplot Matrix for", countryabbr))

}

create_scattermatrix("USA")
```

```
## [1] 1
```

Scatterplot Matrix for USA



```
create_scattermatrix("KOR")
```

```
## [1] 1
```

Scatterplot Matrix for KOR

