

# Principal Component Analysis in R

```
setwd("C:/Users/Karen")  
  
download.file("https://raw.githubusercontent.com/mauriciogtec/PropedeuticoDataScience2017/master/Datos/DatosINEGI.csv", "inegi.csv")  
  
inegi <- read.csv("inegi.csv")  
  
print(inegi)  
  
str(inegi)  
  
  
for(col in c("Secundarias", "DefuncionesGenerales", "Nacimientos", "Divorcios", "Matrimonios")) {  
  #inegi[,col] <- inegi[,col] / inegi["Poblacion"]  
  inegi[,col] = inegi[,col] / inegi["Poblacion"]  
}  
  
X <- inegi[, -(1:2)]  
row.names(X) <- inegi$X...Estado  
  
  
install.packages("FactoMineR")  
library(FactoMineR)  
  
model <- PCA(X)
```

**Variables factor map (PCA)**

