````
---
title: "Asignacion Clase 4 - R"
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date: "4/4/2022"
output: html_document
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```{r setup, include=FALSE}
knitr::opts_chunk$set(echo = TRUE)
library(dplyr)
library(readxl)
library(ggplot2)

```

## Asignacion Estadisticas Descriptivas

```{r}
#file.choose()#
XPABLO <- read_excel("C:\\Users\\logan\\OneDrive\\Escritorio\\Otros\
\Semestre 2022-1\\Computacion estadistica\\XPABLO.xlsx")
XPABLO <- XPABLO[-c(16,17,18,19)]
View(XPABLO)


```

```{r}

GruposCa <- cut(x = XPABLO$Ca, breaks = 4) # cut -> Función para crear
categorías
unique(grupos)

##GRAFICO 1##
ggplot(XPABLO, aes(x = Long, y = Lat, color = GruposCa)) + #Aesthetic
  geom_point()

```
```{r}

GruposMg <- cut(x = XPABLO$Mg, breaks = 6) # cut -> Función para crear
categorías
unique(grupos)

##GRAFICO 2##
ggplot(XPABLO, aes(x = Long, y = Lat, color = GruposMg)) + #Aesthetic
  geom_point()

```
```{r}

GruposK <- cut(x = XPABLO$K, breaks = 5) # cut -> Función para crear
categorías
unique(grupos)

##GRAFICO 3##
ggplot(XPABLO, aes(x = Long, y = Lat, color = GruposK)) + #Aesthetic
  geom_point()
````
````

```
```{r}

GruposNa <- cut(x = XPABLO$Na, breaks = 4) # cut -> Función para crear
categorías
unique(grupos)

##GRAFICO 4##
ggplot(XPABLO, aes(x = Long, y = Lat, color = GruposNa)) + #Aesthetic
  geom_point()

```
```{r}

Ca_Mg = XPABLO$Ca/XPABLO$Mg
relCa_Mg = cut(Ca_Mg, breaks = 10)
unique(relCa_Mg)

##GRAFICO 5##
ggplot(XPABLO, aes(x = Long, y = Lat, color = relCa_Mg)) + #Aesthetic
  geom_point()

```
```{r}

Ca_K = XPABLO$Ca/XPABLO$K
relCa_K = cut(Ca_K, breaks = 10)
unique(relCa_K)

##GRAFICO 6##
ggplot(XPABLO, aes(x = Long, y = Lat, color = relCa_K)) + #Aesthetic
  geom_point()

```
```{r}

Ca_Na = XPABLO$Ca/XPABLO$Na
relCa_Na = cut(Ca_Na, breaks = 10)
unique(relCa_Na)

##GRAFICO 7##
ggplot(XPABLO, aes(x = Long, y = Lat, color = relCa_Na)) + #Aesthetic
  geom_point()

```
```{r}

Mg_K = XPABLO$Mg/XPABLO$K
relMg_K = cut(Mg_K, breaks = 10)
unique(relMg_K)

##GRAFICO 8##
ggplot(XPABLO, aes(x = Long, y = Lat, color = relMg_K)) + #Aesthetic
  geom_point()

```
```{r}
```
```

```
Mg_Na = XPABLO$Mg/XPABLO$Na
relMg_Na = cut(Mg_Na, breaks = 10)
unique(relMg_Na)

##GRAFICO 9##
ggplot(XPABLO, aes(x = Long, y = Lat, color = relMg_Na)) + #Aesthetic
  geom_point()

```
```{r}

K_Na = XPABLO$K/XPABLO$Na
relK_Na = cut(K_Na, breaks = 10)
unique(relK_Na)

##GRAFICO 10##
ggplot(XPABLO, aes(x = Long, y = Lat, color = relK_Na)) + #Aesthetic
  geom_point()

```
```
```