

title: "LABS_49"

author: "JESSICA PAOLA AGUILAR SERVIN"

date: "2023-03-14"

output: html_document

LABORATORIO BOXPLOT

LABORATORIO - Graficos en R con ggplot2 para Ciencia de Datos Histogramas en R instalando paquete con los datos

`install.packages("gapminder")` `install.packages("ggplot2")`

cargar libreria ggplot2 y gapminder

```
library(ggplot2)
library(gapminder)
```

cargando datos a entorno

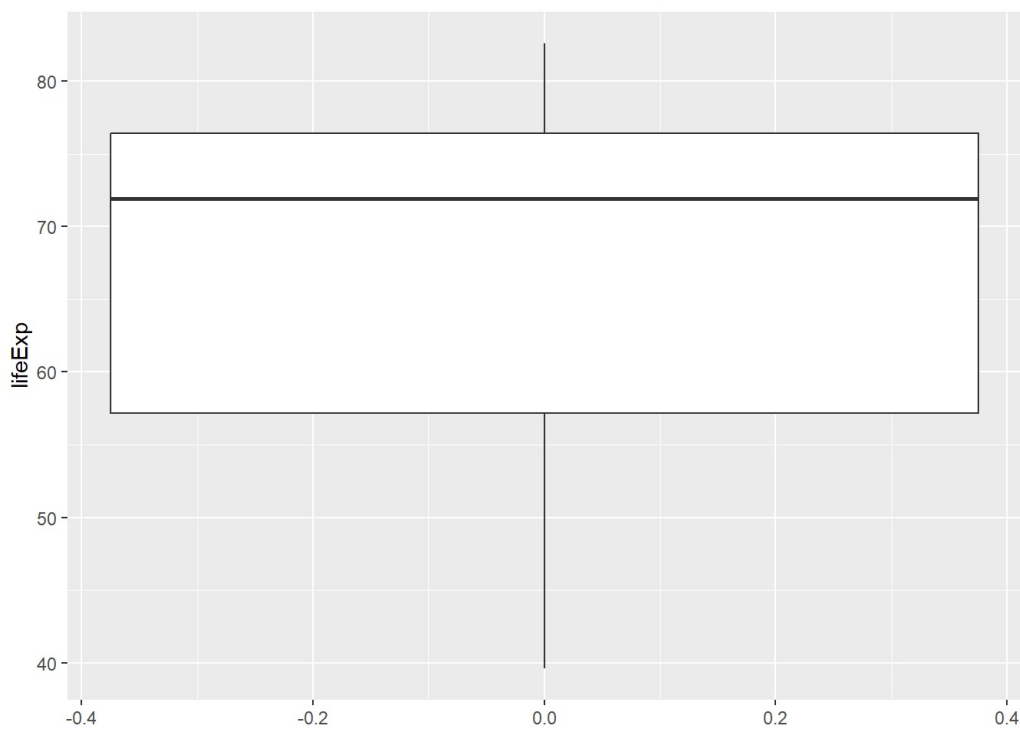
```
data("gapminder")
```

filtrando por año 2007

```
gapminder2007 <- gapminder[gapminder$year == '2007', ]
```

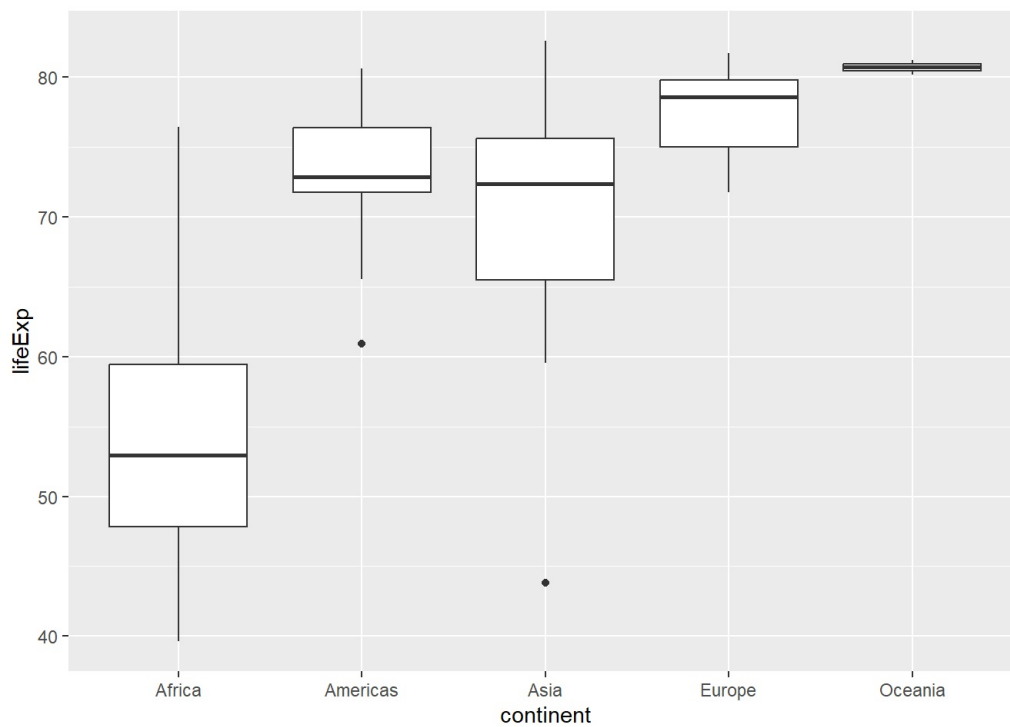
boxplot en ggplot2

```
ggplot(data = gapminder2007,
       mapping = aes(y=lifeExp))+
  geom_boxplot()
```



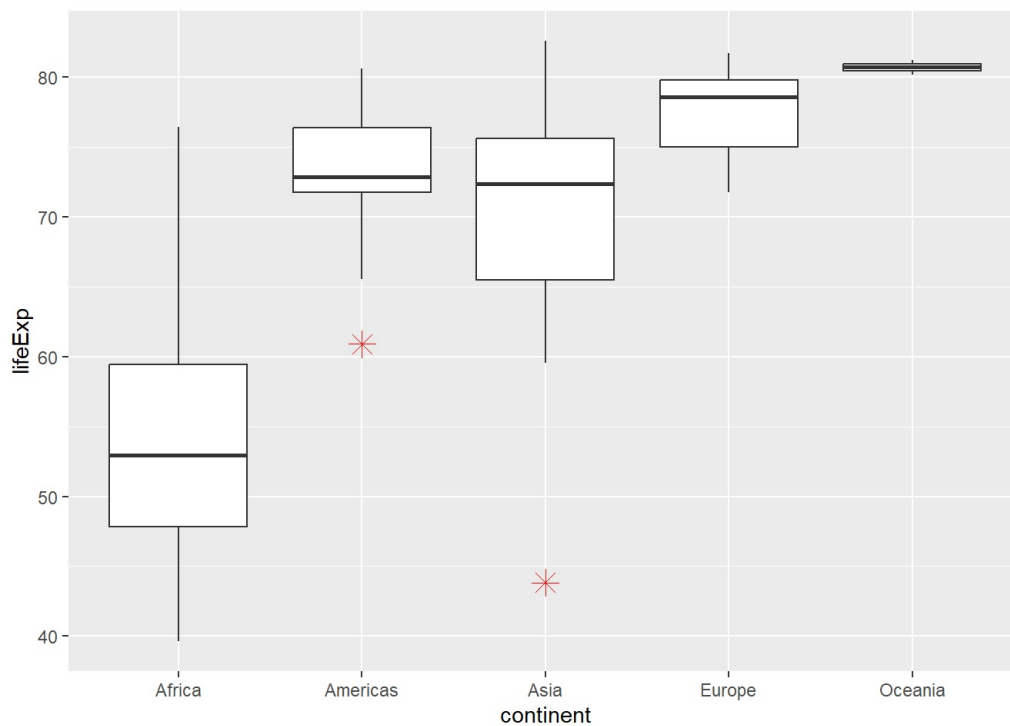
boxplot varias variables ggplot2

```
ggplot(data = gapminder2007,
       mapping = aes(x=continent,
                     y=lifeExp))+
  geom_boxplot()
```



marcando datos atipicos

```
ggplot(data = gapminder2007,
       mapping = aes(x=continent,
                     y=lifeExp))+
  geom_boxplot(outlier.colour = "red",
               outlier.shape = 8,
               outlier.size = 4)
```



marcando datos atipicos (vertical)

```
ggplot(data = gapminder2007,
       mapping = aes(x=continent,
                     y=lifeExp))+
  geom_boxplot(outlier.colour = "red",
               outlier.shape = 8,
               outlier.size = 4)+
  coord_flip()
```