







Universidad Autónoma del Estado de Hidalgo

Instituto de Ciencias Económico Administrativas

DCEA

Temas Selectos III:

Análisis de Datos

R Notebook Laboratorio 3 7

Boxplot en R

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JAGS_LAB37 Boxplot en R

Hecho con gusto por Juan Antonio González Sierra} (UAEH) #V5 # LABORATORIO - Gráficos en R con ggplot2 para Ciencia de Datos # Boxplot en R (diagrama de cajas y bigotes)

```
Se deben instalar los siguientes paquetes
```

install.packages("gapminder")

install.packages("ggplot2")

Cargar libreria ggplot2 y gapminder

```
library(ggplot2)
library(gapminder)
## Warning: package 'gapminder' was built under R version 3.5.3
```

Cargar datos a entorno de R

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

```
Filtrando por año 2007
 gapminder2007 <- gapminder[gapminder$year == '2007', ]</pre>
```

boxplot en ggplot2

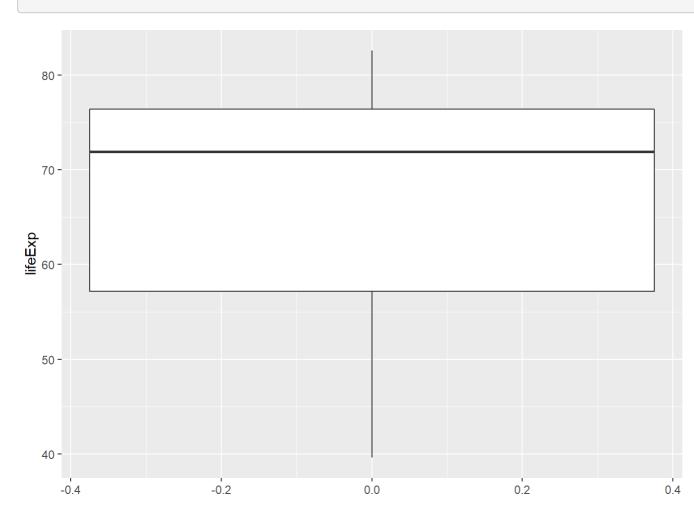
50 -

g3

geom_boxplot(outlier.colour="red",

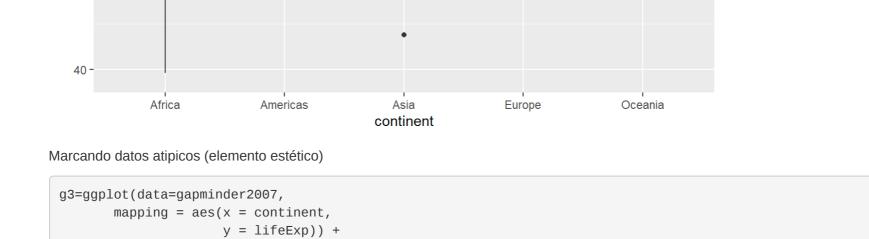
outlier.shape = 8, outlier.size = 4)

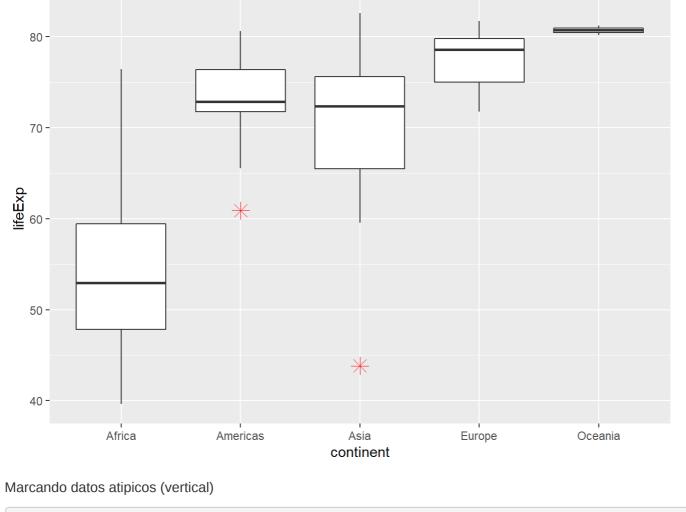
```
g1=ggplot(data=gapminder2007,
       mapping = aes(y = lifeExp)) +
 geom_boxplot()
g1
```



boxplot varias variables ggplot2 (comparar, en este caso por continente)

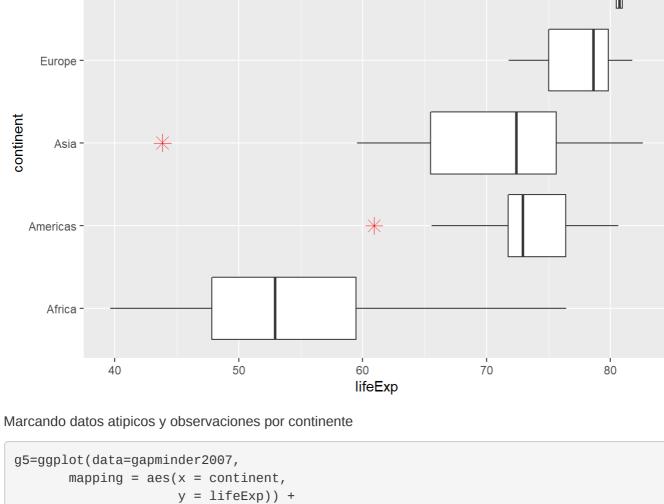
```
g2=ggplot(data=gapminder2007,
        mapping = aes(x = continent,
          y = lifeExp)) +
  geom_boxplot()
  80 -
  70 -
lifeExp
60 -
```

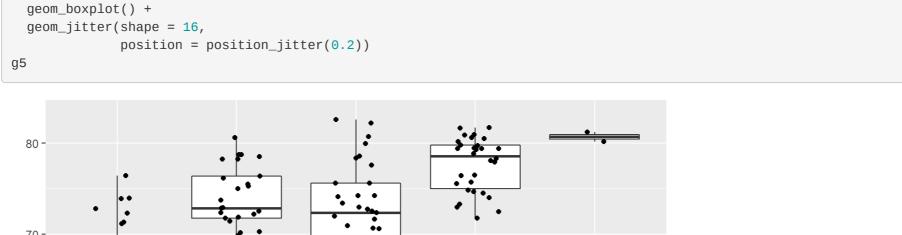


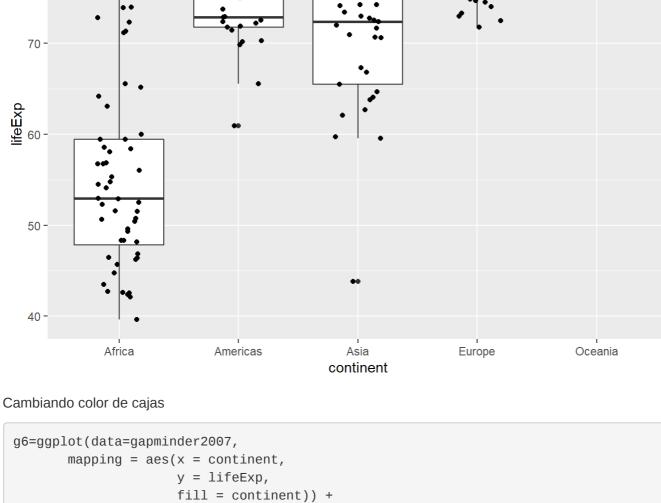


g4=ggplot(data=gapminder2007, mapping = aes(x = continent,y = lifeExp)) +

```
geom_boxplot(outlier.colour="red",
             outlier.shape = 8,
             outlier.size = 4) +
coord_flip()
Oceania -
```





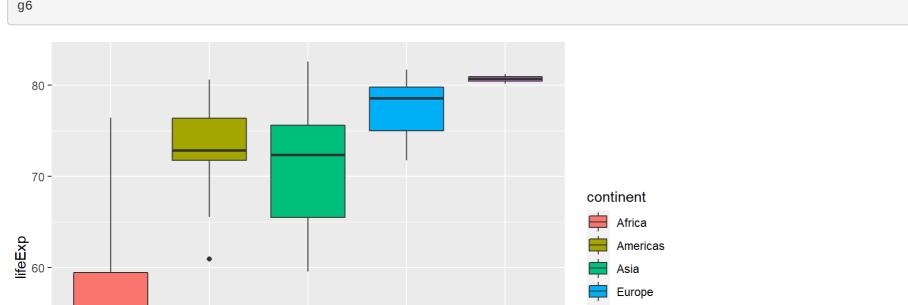




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Africa

Americas



Europe

Oceania

Asia

continent

Oceania