

BOXPLOT LAB37

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```
#instalando paquete con los datos #install.packages("gapminder") #install.packages("ggplot2")
```

Cargar libreria ggplot2 y gapminder

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

Cargando datos a entorno

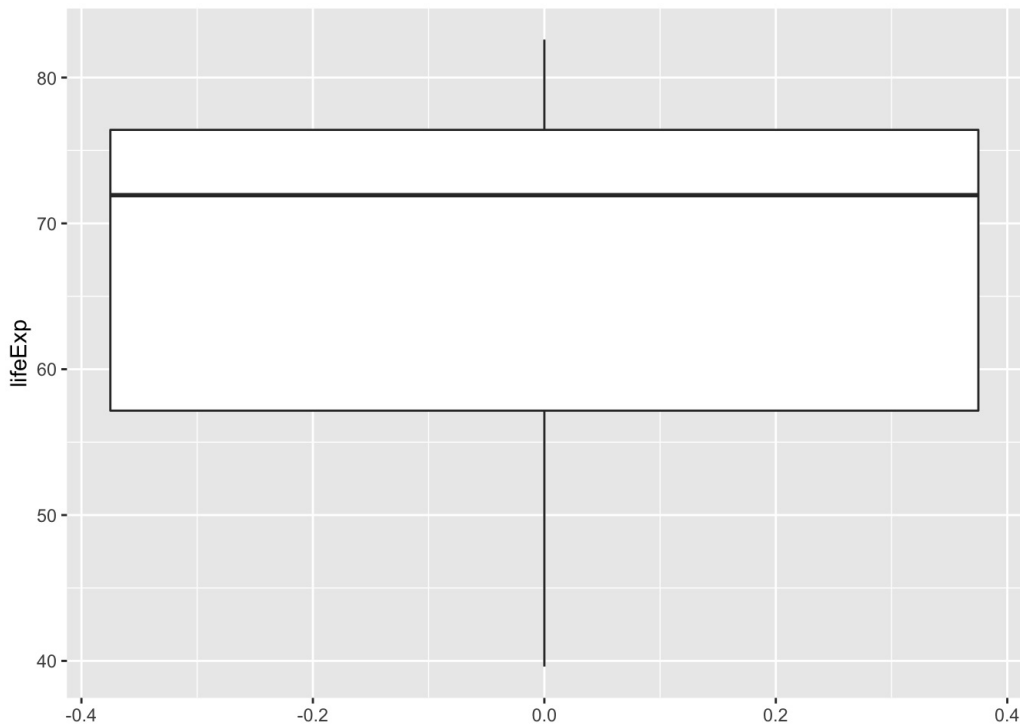
```
data("gapminder")
```

Filtrando por año 2007

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

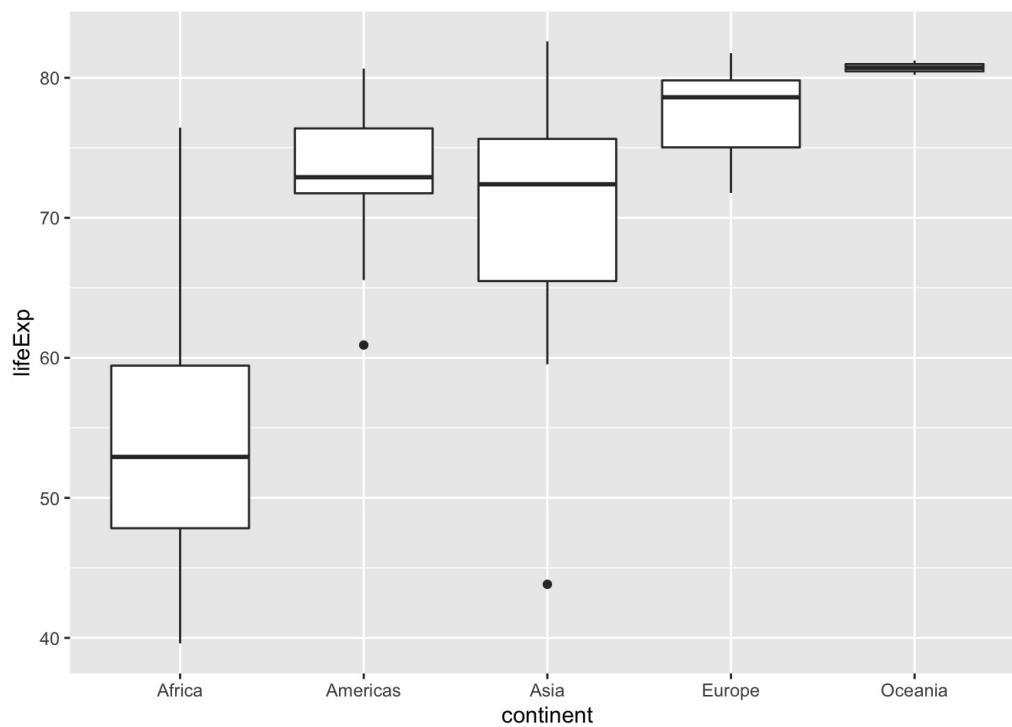
Boxplot en ggplot2

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



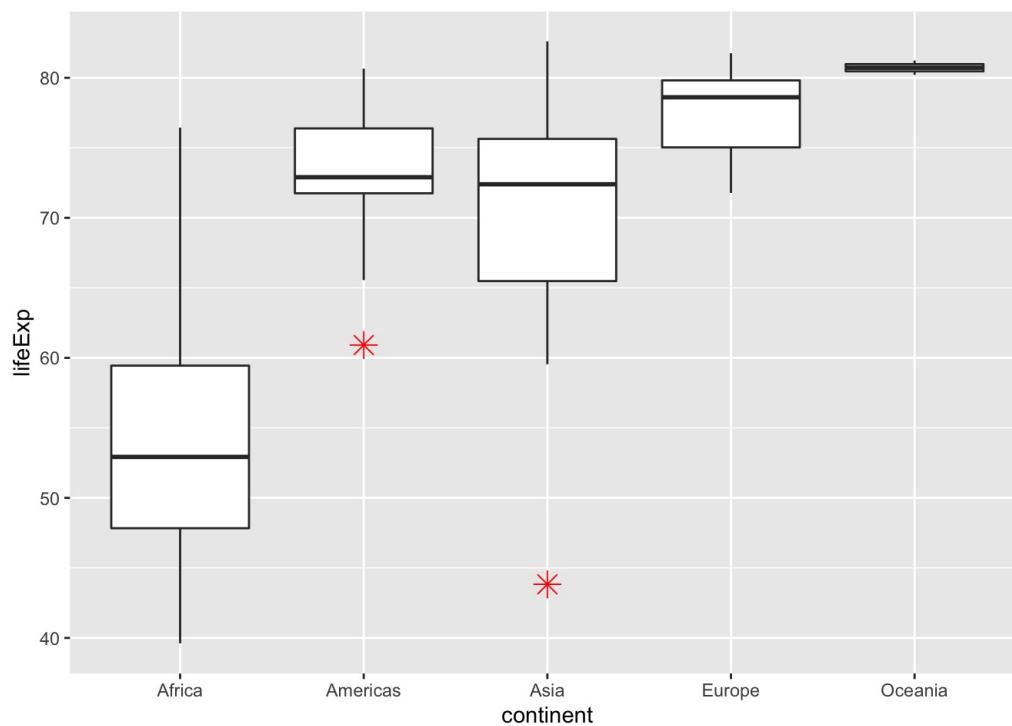
Boxplot varias variables ggplot2

```
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()
```