

title: "LABS_47"

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LABORATORIO GRAFICA DE BARRAS

Hecho con gusto por la alumna JESSICA PAOLA AGUILAR SERVIN V3 LABORATORIO - Graficos en R con ggplot2 para Ciencia de Datos
Graficas de barras en R

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

Grafica de lineas en R cargar libreria ggplot2 y gapminder

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

cargando datos a entorno

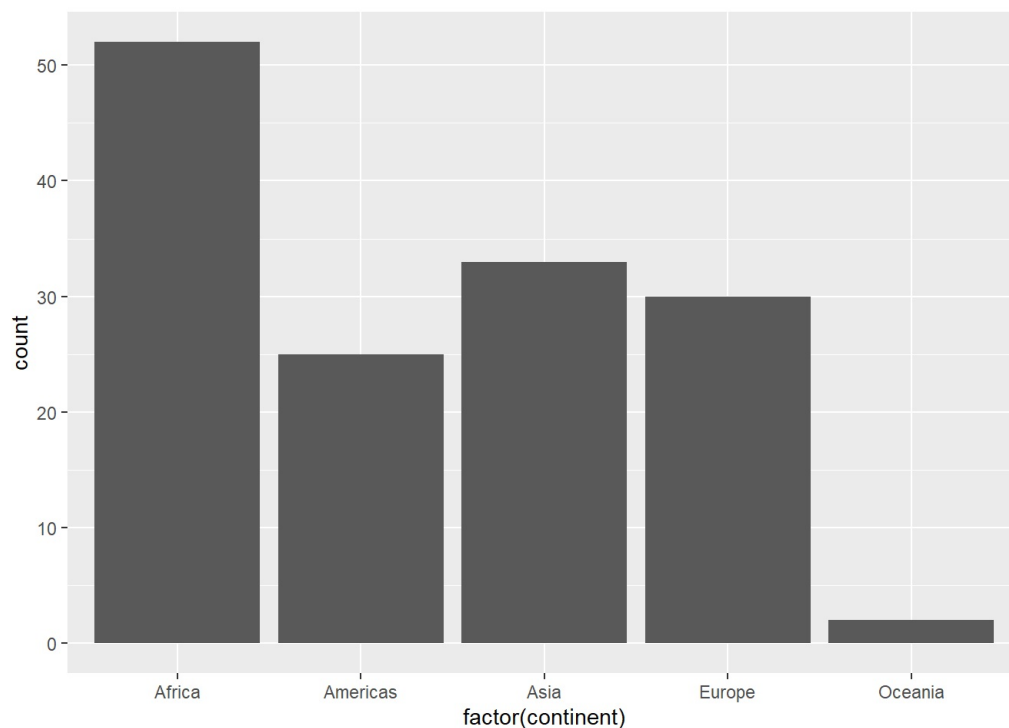
```
data("gapminder")
```

filtrando por año 2007

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

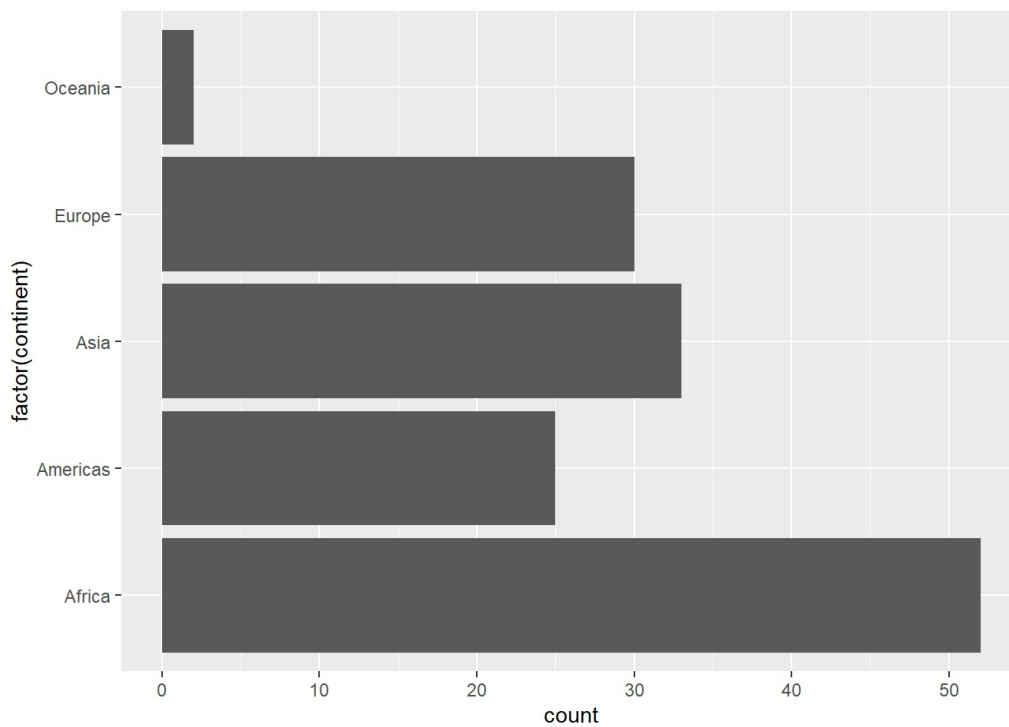
grafica de barras

```
ggplot(data = gapminder2007,
       mapping = aes (x = factor(continent)))+
  geom_bar()
```



grafica de barras (VERTICAL)

```
ggplot(data = gapminder2007,
       mapping = aes (x = factor(continent)))+
  geom_bar()+
  coord_flip()
```



creando etiqueta para expectativa de vida

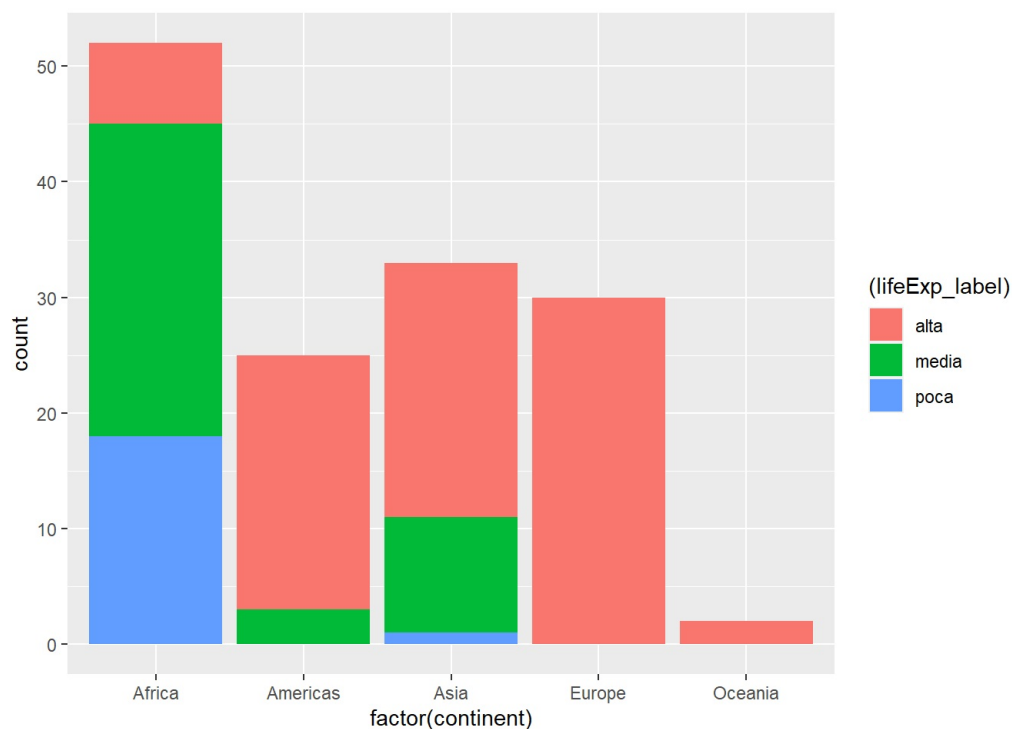
```
gapminder2007$lifeExp_label <- ifelse(
  gapminder2007$lifeExp < 50 ,
  "poca",
  ifelse(gapminder2007$lifeExp < 70,
    "media",
    "alta"))
```

guardando grafica en variable

```
p <- ggplot(data = gapminder2007,
  mapping = aes(x = factor(continent),
    fill = (lifeExp_label)))
```

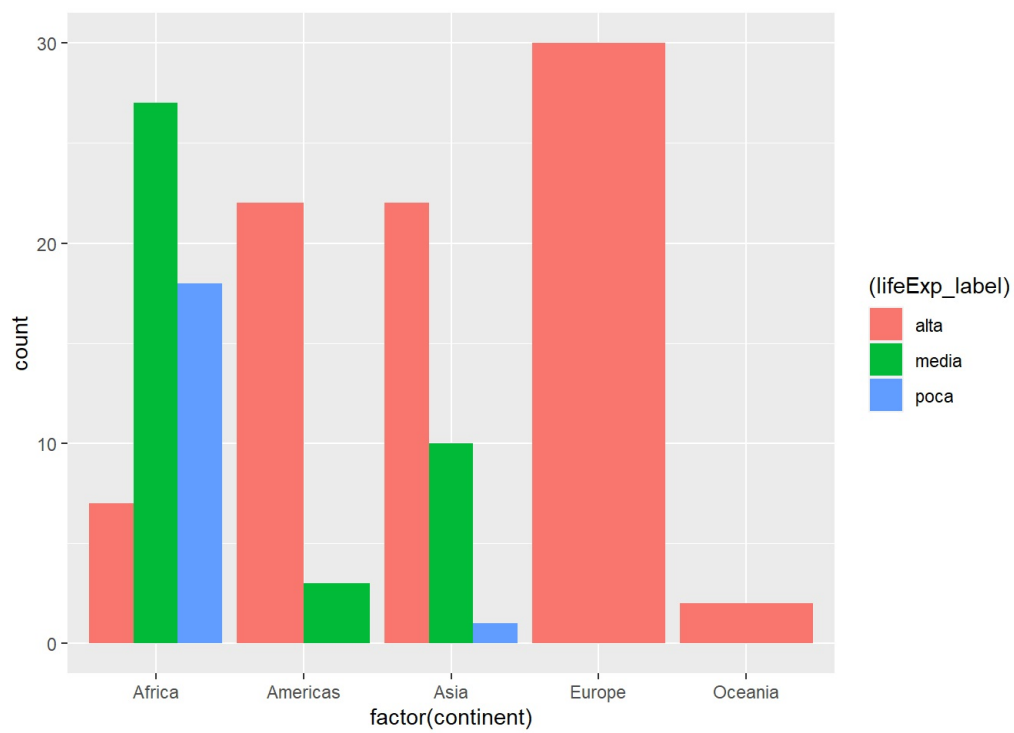
stacked bar chart (apilada)

```
p + geom_bar (position = "stack" , stat = "count")
```



dogde bar chart (separada)

```
p + geom_bar (position = "dodge" , stat = "count")
```



LLENA 100% + percent barchart

```
p + geom_bar (position = "fill" , stat = "count")
```

