

title: "LABS_53"

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date: "2023-03-16"

output: html_document

LABORATORIO TEMAS

LABORATORIO - Gráficos en R con ggplot2 para Ciencia de Datos editar con temas de ggplot2 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

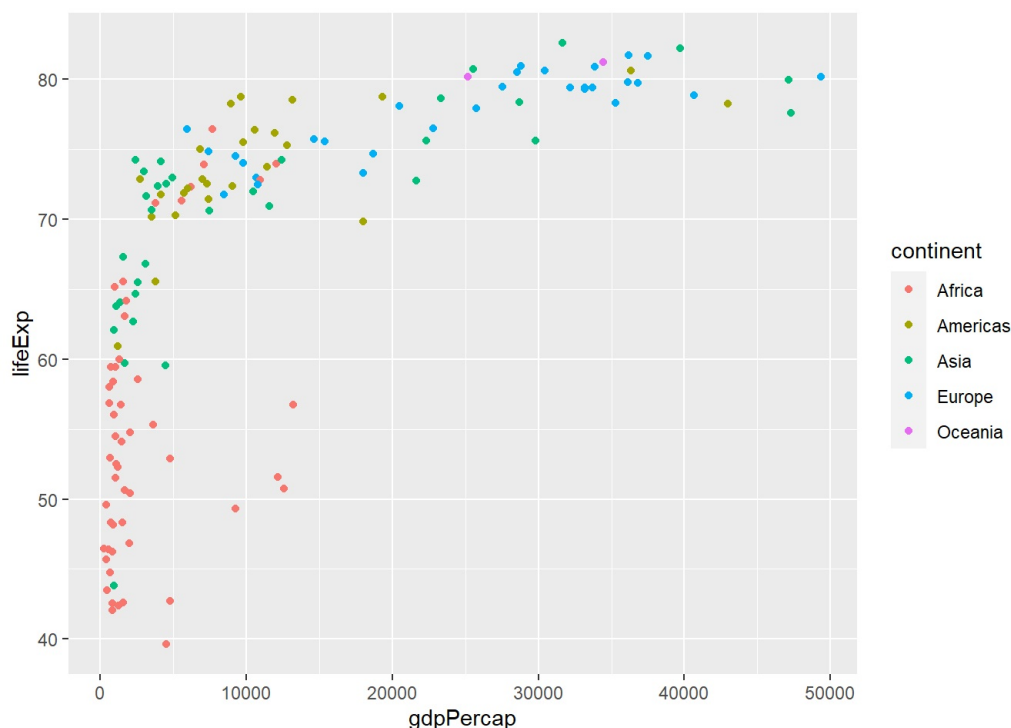
```
gapminder2007 <- gapminder[gapminder$year == '2007', ]
```

haciendo grafica de puntos

```
p1 <- ggplot(data = gapminder2007,
             mapping = aes(x = gdpPercap,
                           y = lifeExp,
                           color = continent)) +
  geom_point()
```

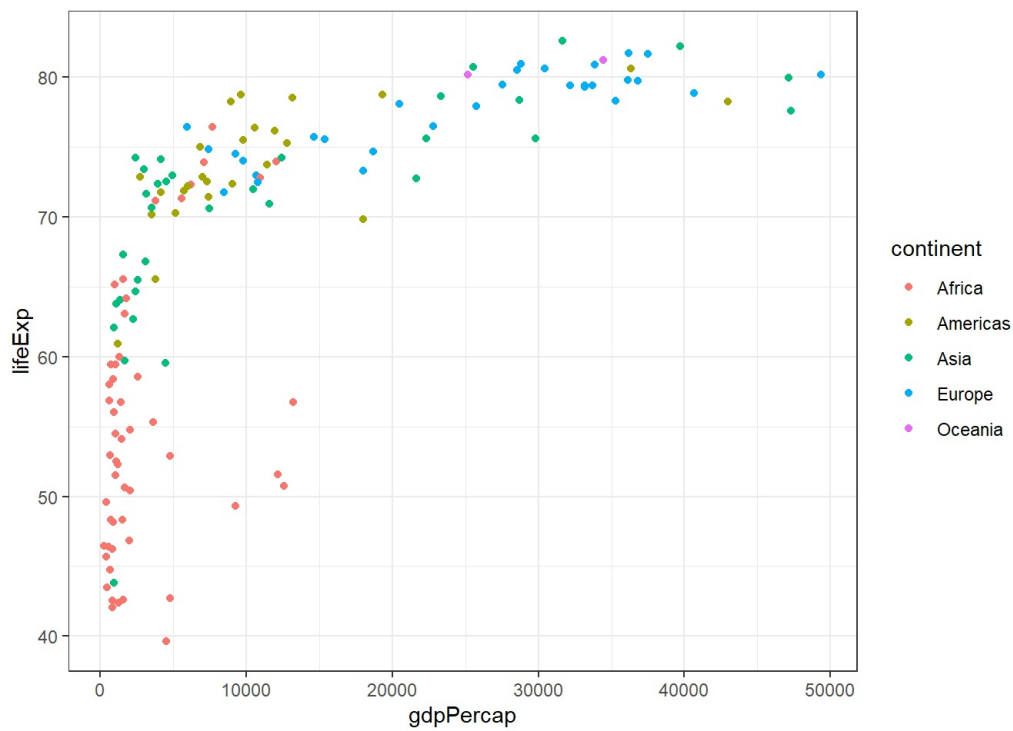
Ver tema

```
p1
```

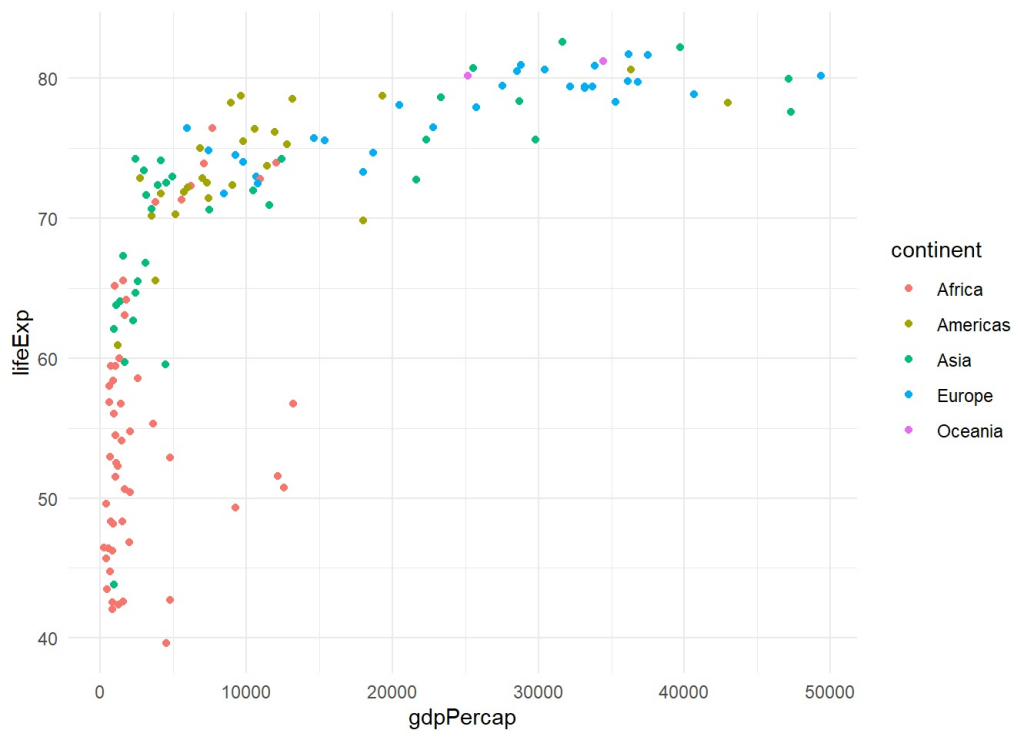


temas básicos

```
p1 + theme_bw()
```



```
p1 + theme_minimal()
```

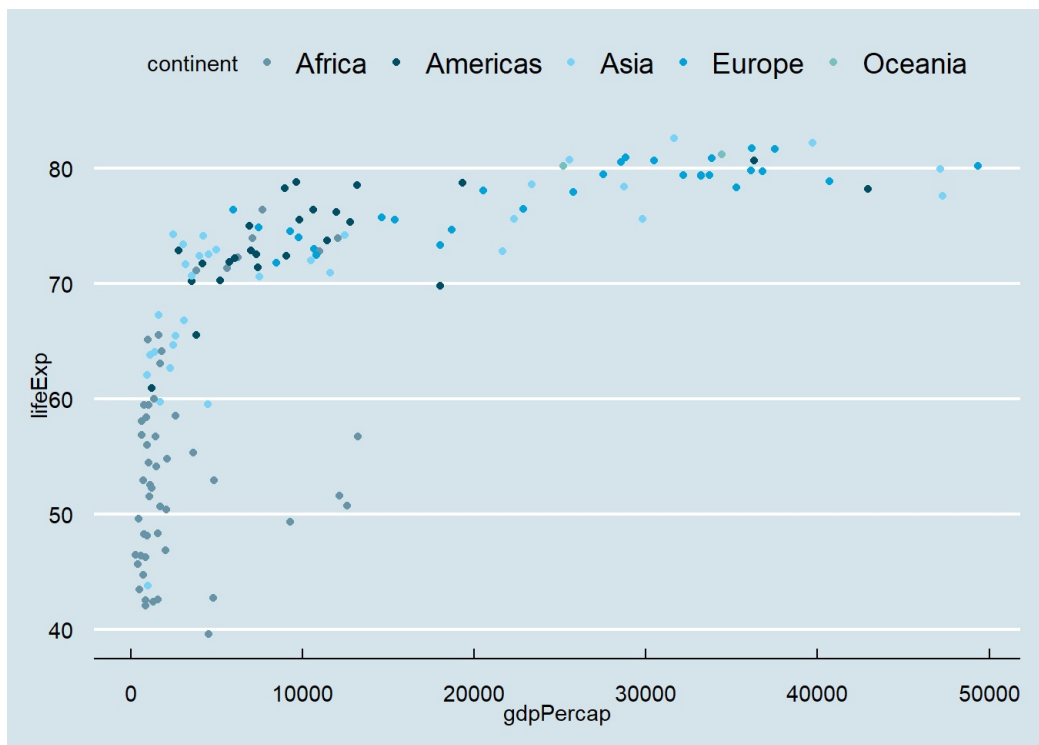


mas temas `install.packages('ggthemes')`

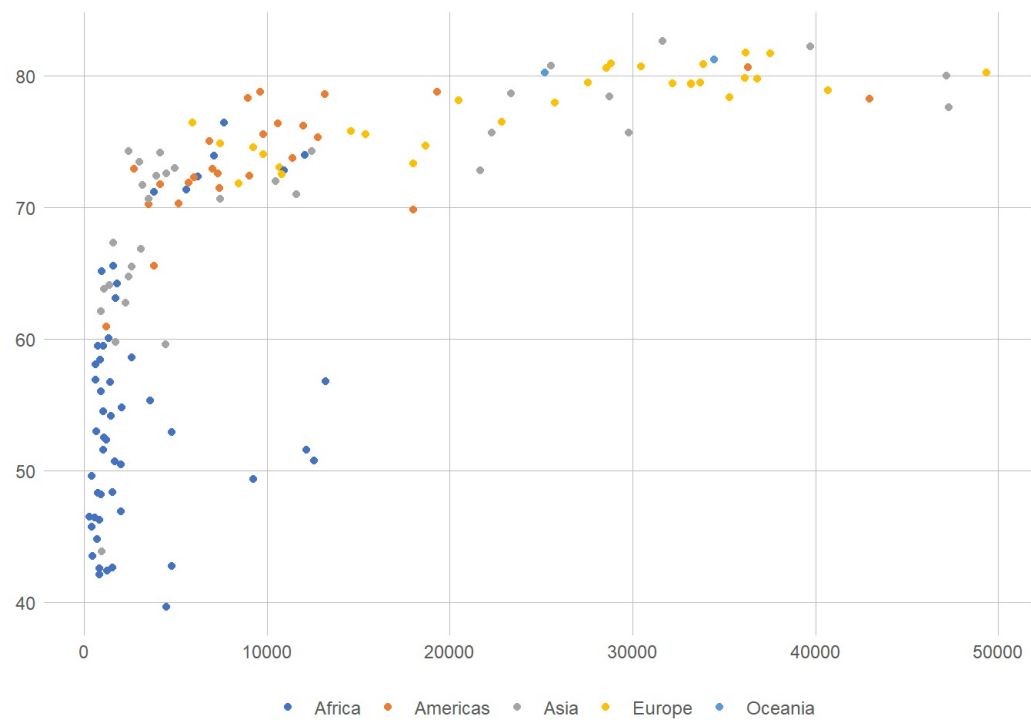
```
library(ggthemes)
```

temas y colores

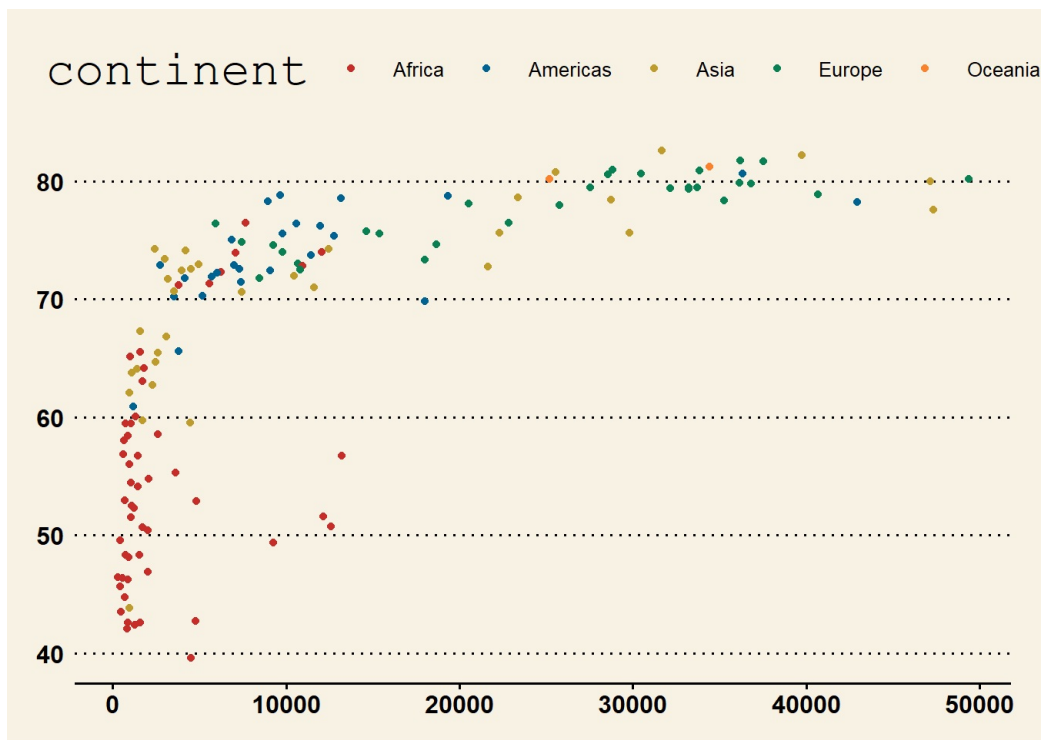
```
p1 + theme_economist()+scale_color_economist()
```



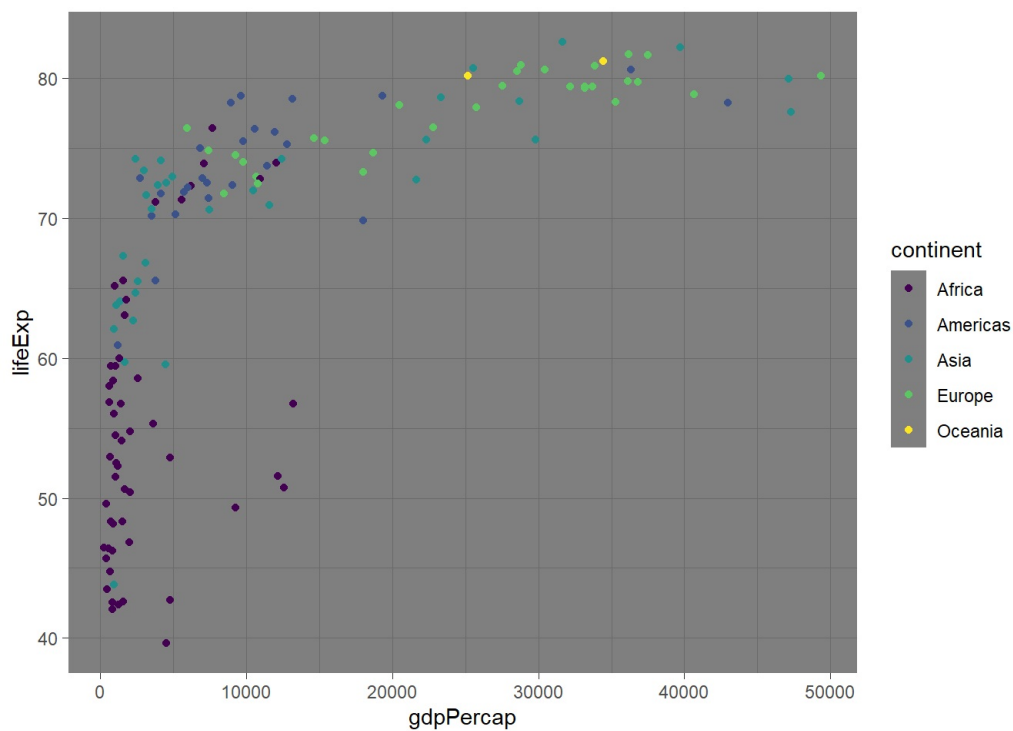
```
p1 + theme_excel_new()+scale_color_excel_new()
```



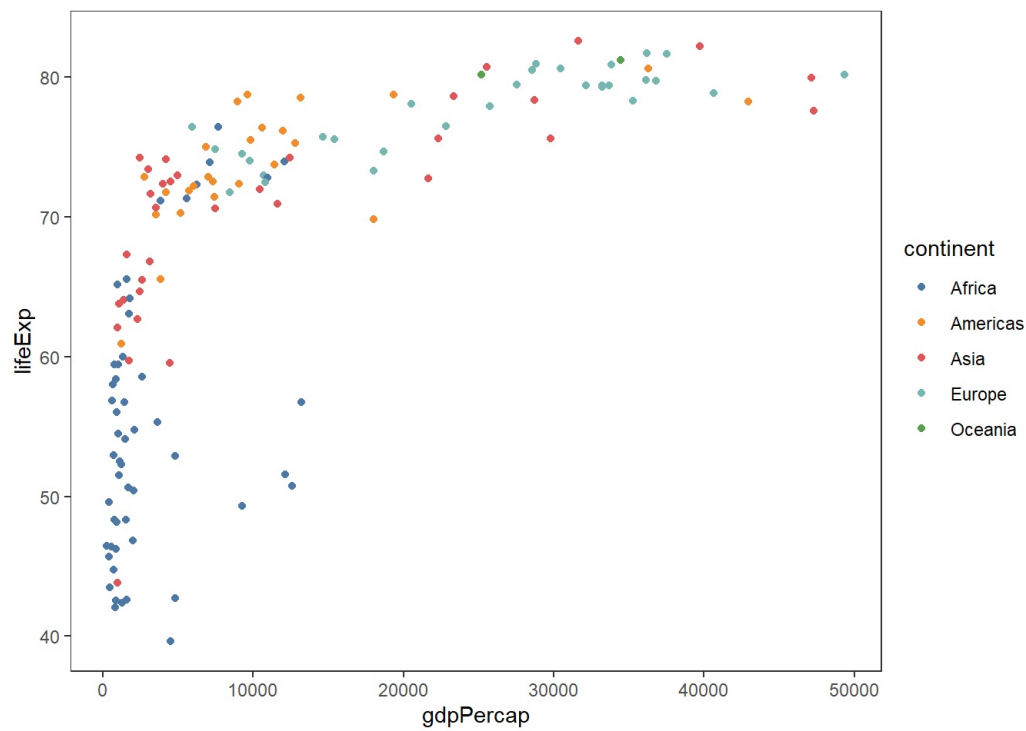
```
p1 + theme_wsj()+scale_color_wsj()
```



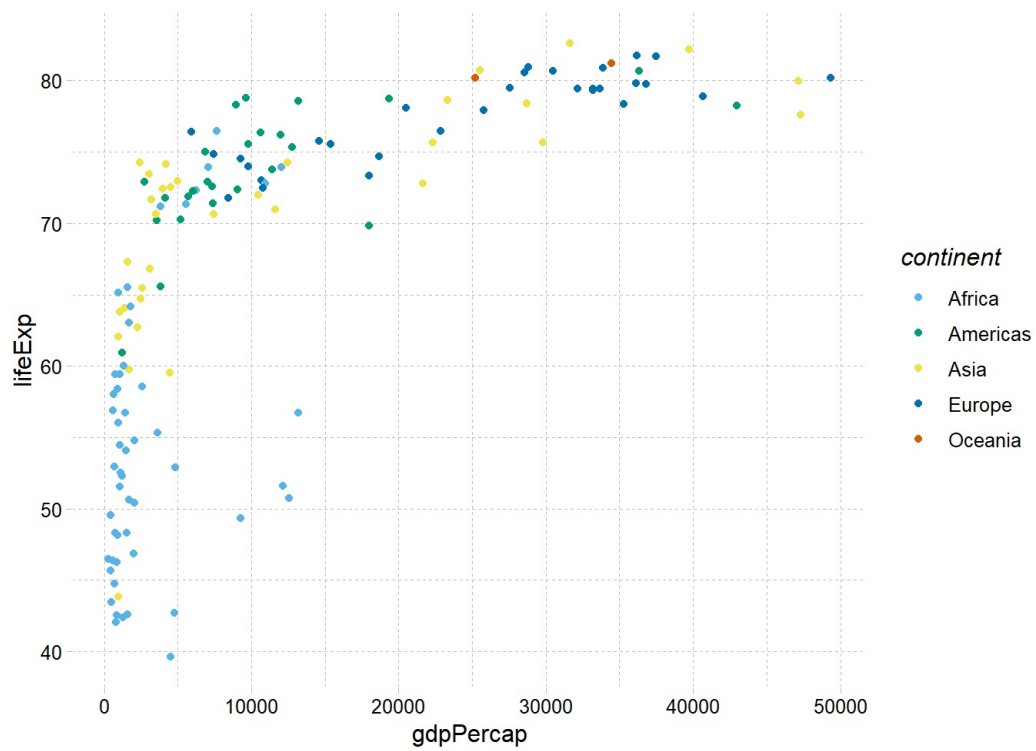
```
p1 + theme_dark()+scale_color_viridis_d()
```



```
p1 + theme_test()+scale_color_tableau()
```



```
p1 + theme_pander()+scale_color_pander()
```



```
p1 + theme_calc()+scale_color_calc()
```

