title: "LABS_52"

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output: html_document

LABORATORIO DE EDICIÓN DE COLOR-PARTE 2

LABORATORIO - Gráficos en R con ggplot2 para Ciencia de Datos Editando el color de los gráficos (PARTE 1)

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

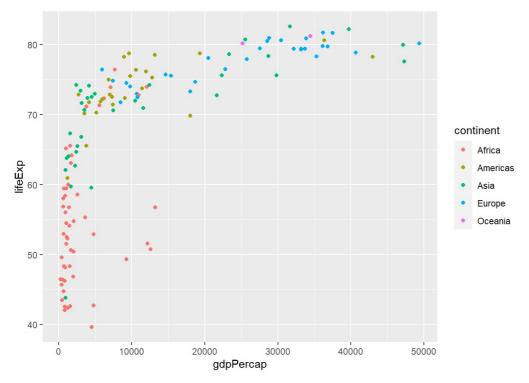
```
gapminder2007 <- gapminder[gapminder$year == '2007', ]</pre>
```

 $De \ donde \ sacar \ colores? \ http://www.stat.columbia.edu/~tzheng/files/Rcolor.pdf \ (http://www.stat.columbia.edu/~tzheng/files/Rcolor.pdf)$

Escala discreta haciendo grafica de puntos por continente

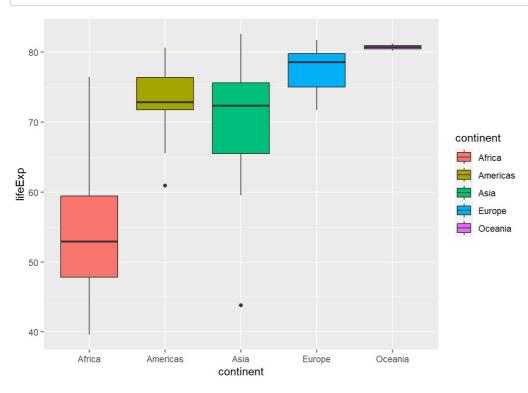
ver g1

g1

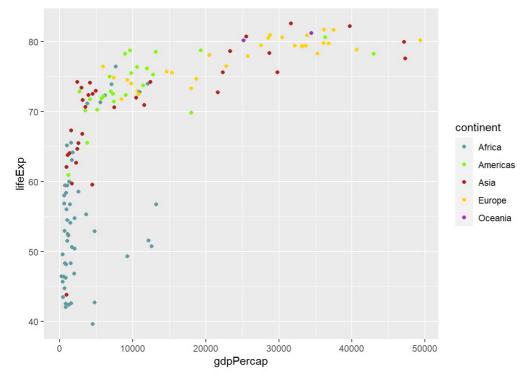


haciendo boxplot en continentes

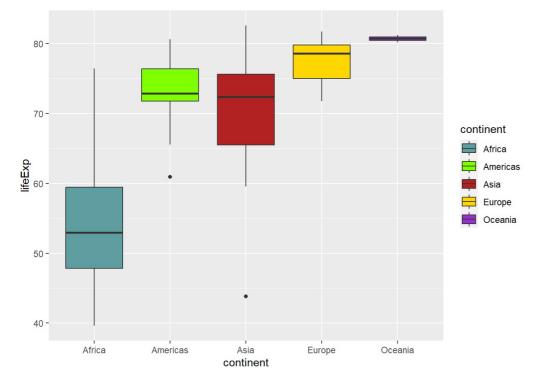
g2



cambiando el color de los continentes g1

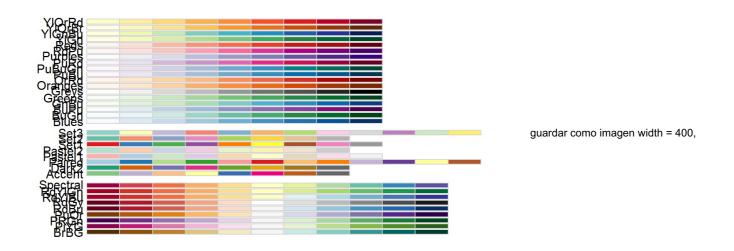


cambiando el color de los continentes g2



cambiando colores con paleta RColorBrewer instalar RColorBrewer install.packages('RColorBrewer') para ver las paletas

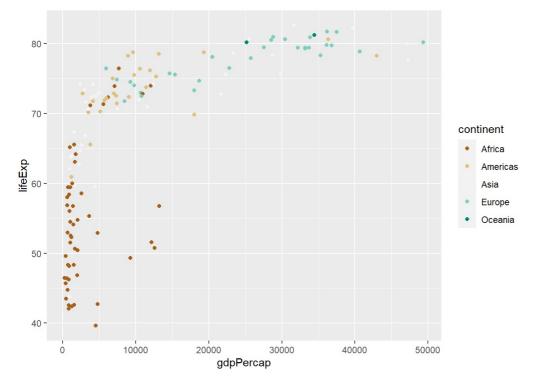
```
library(RColorBrewer)
display.brewer.all()
```



height = 800

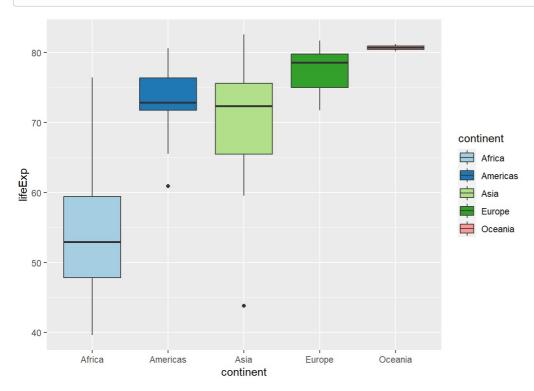
cambiando escala de color g1

```
g1 + scale_color_brewer(palette="BrBG")
```



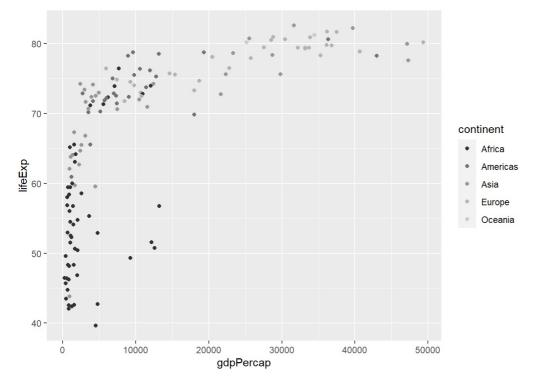
cambiando escala de color g2

g2 + scale_fill_brewer(palette="Paired")



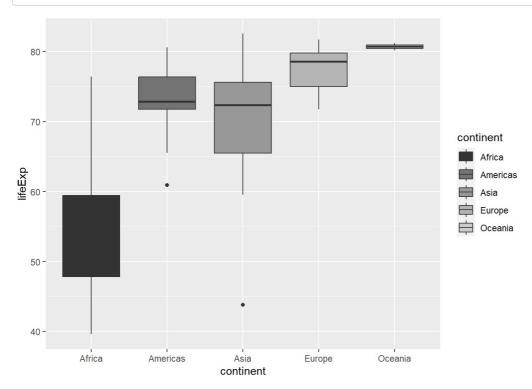
cambiando escala de grises g1

```
g1 + scale_color_grey()
```



cambiando escala de grises g2

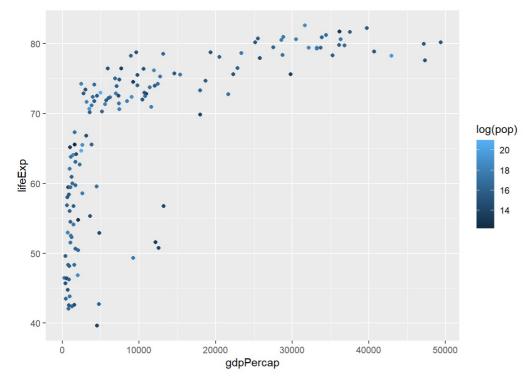




PARTE 2

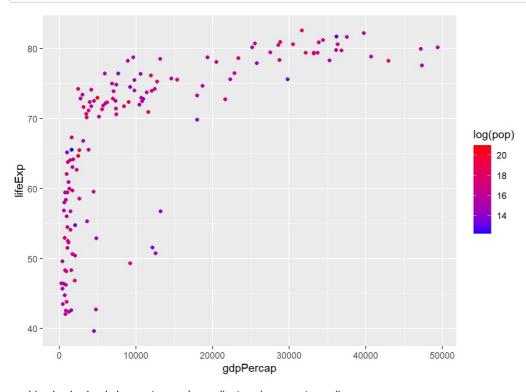
Escala continua (variable continua) haciendo grafica de puntos por poblacion

Ver g3

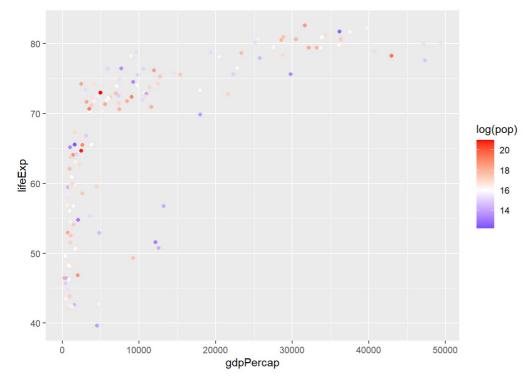


cambiando el color de los puntos según gradiente

```
g3 + scale_color_gradient(low="blue", high = "red")
```



cambiando el color de los puntos según gradiente asignar punto medio



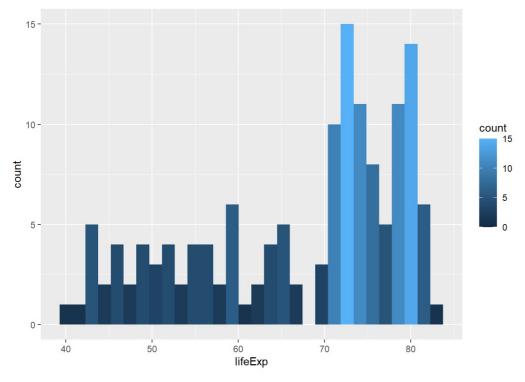
haciendo histograma en poblacion

Ver g4

g4

Warning: The dot-dot notation (`..count..`) was deprecated in ggplot2 3.4.0.
i Please use `after_stat(count)` instead.

```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



cambiando color de barras histograma

```
g4 + scale_fill_gradient(low="blue", high = "red")
```

```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```

