LAB 41 (MD)

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LABORATORIO - Gráficos en R con ggplot2 para Ciencia de Datos

Editando el color de los gráficos

PARTE 2

Instalando paquete con los datos

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
```

Cargando datos a entorno

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

Filtrando por año 2007

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

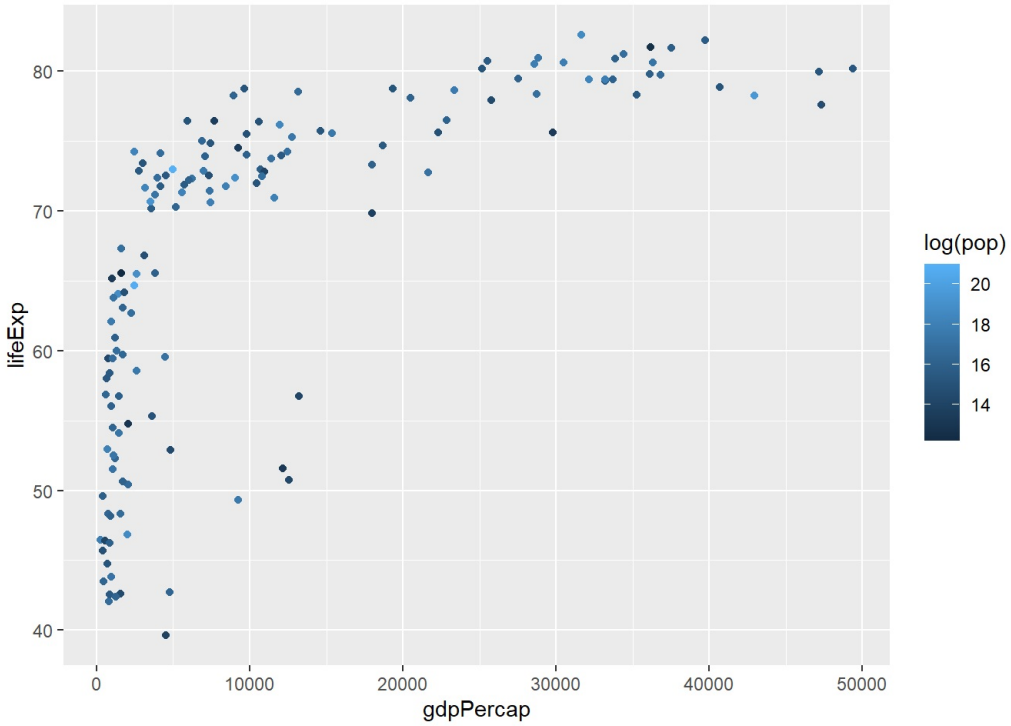
Escala continua (variable continua)

Haciendo grafica de puntos por poblacion

```
g3 <- ggplot(data = gapminder2007,
             mapping = aes(x = gdpPercap,
                           y = lifeExp,
                           color = log(pop))) +
  geom_point()
```

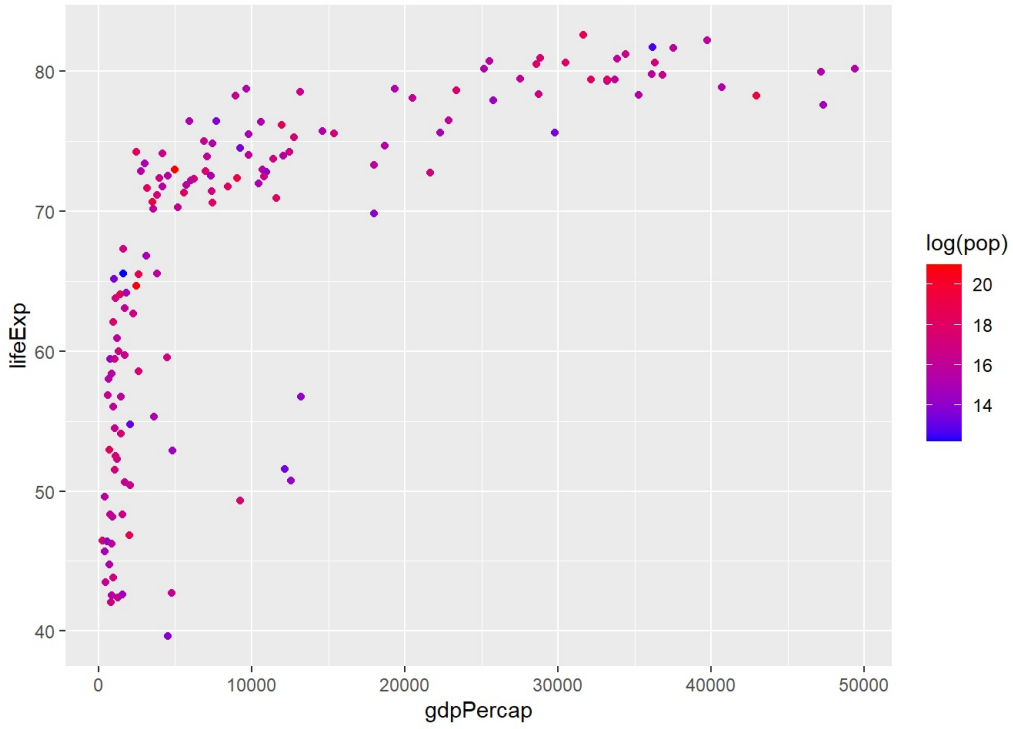
Ver g3

```
g3
```

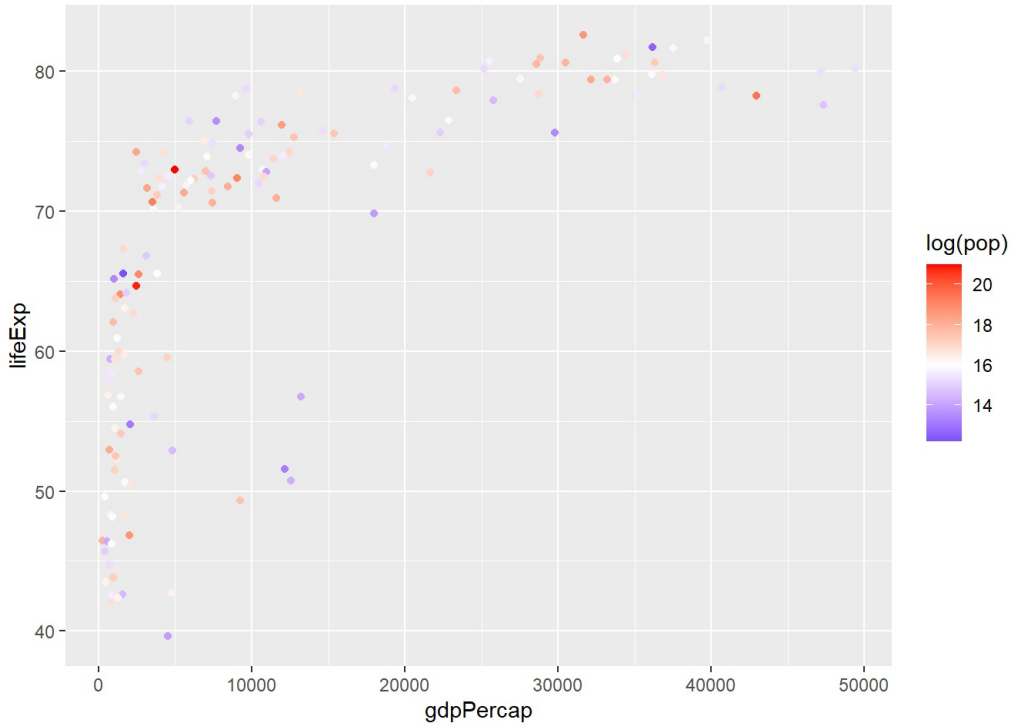


Cambiando el color de los puntos segúnn gradiente

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




```
g3 + scale_color_gradient2(midpoint = 16, low = "blue" , mid = "white" ,
                           high = "red" , space = "Lab")
```



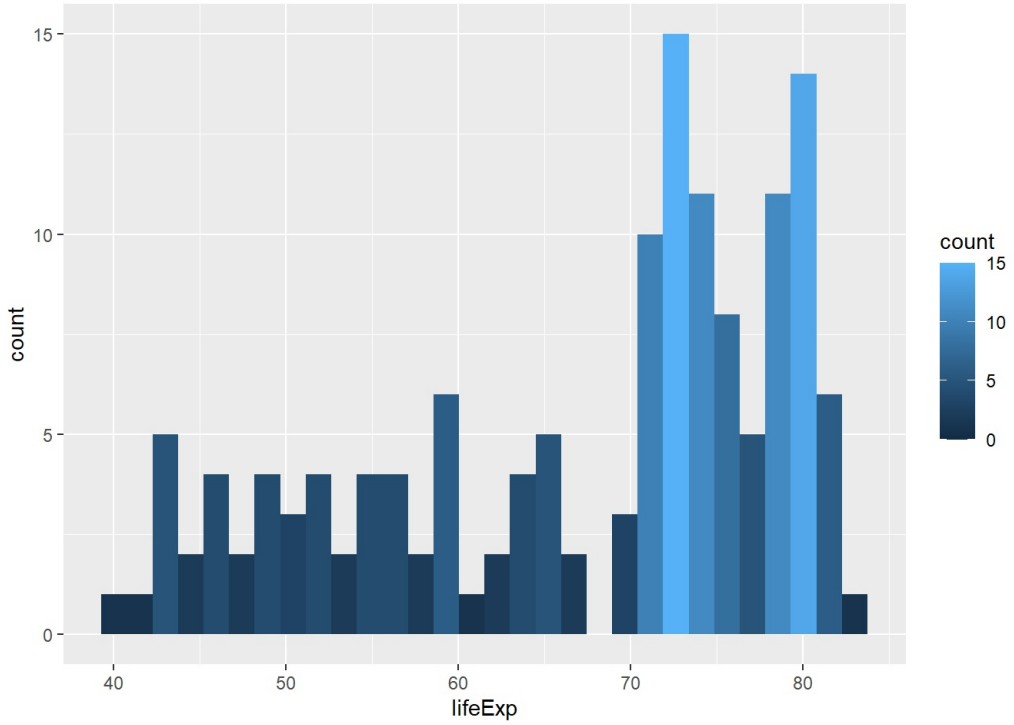
Haciendo boxplot en poblacion

```
g4 <- ggplot(data = gapminder2007,
             mapping = aes(x = lifeExp,
                           fill = ..count..)) +
  geom_histogram()
```

Ver g4

```
g4
```

```
## `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`.
```