

# Editar color de graficos p2 lab41

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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")
```

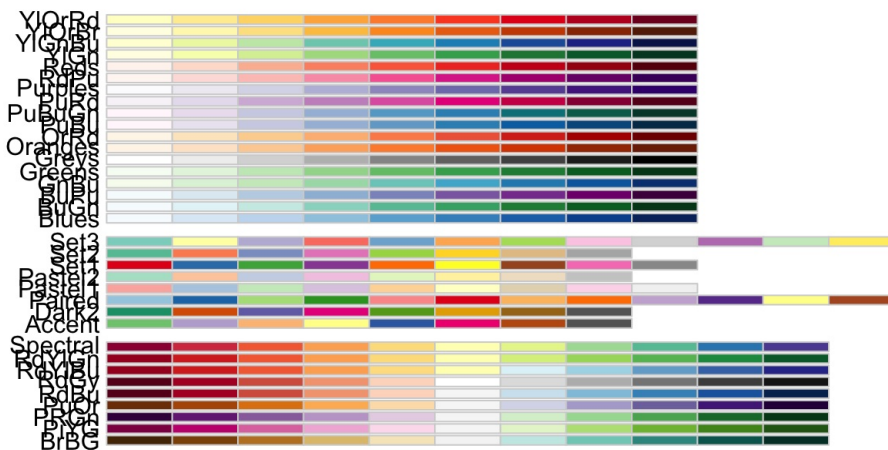
## filtrando por año 2007

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

## instalar RColorBrewer

```
#install.packages('RColorBrewer') # para ver las paletas
```

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



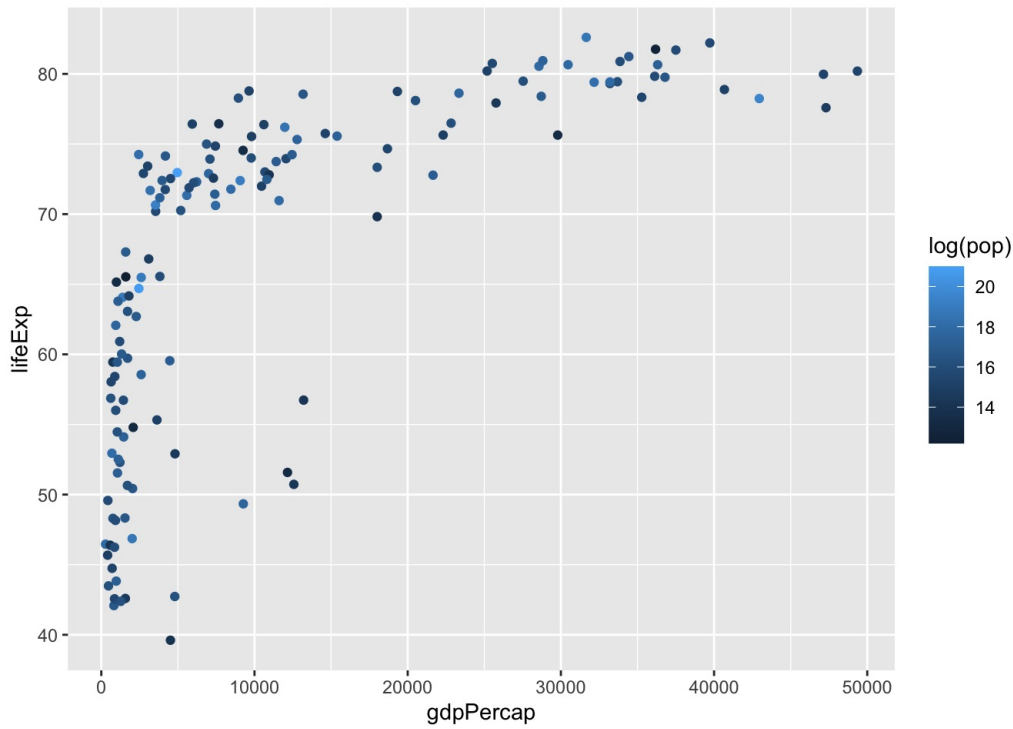
## Escala continua (variable continua)

## haciendo grafica de puntos por poblacion

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

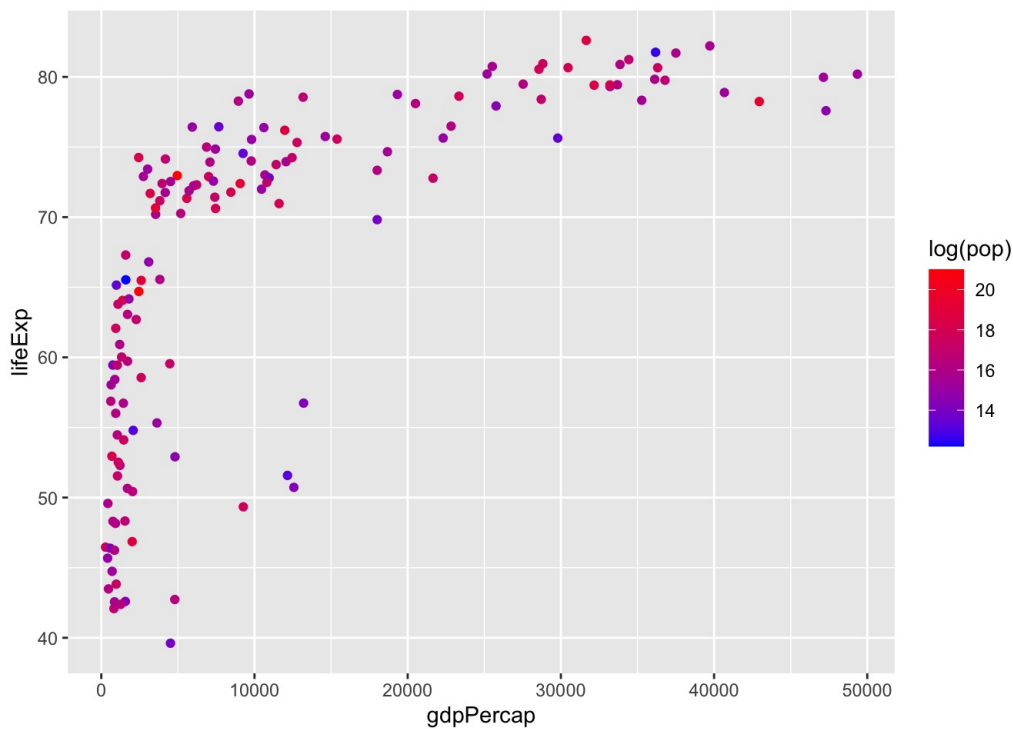
Ver g3

```
g3
```



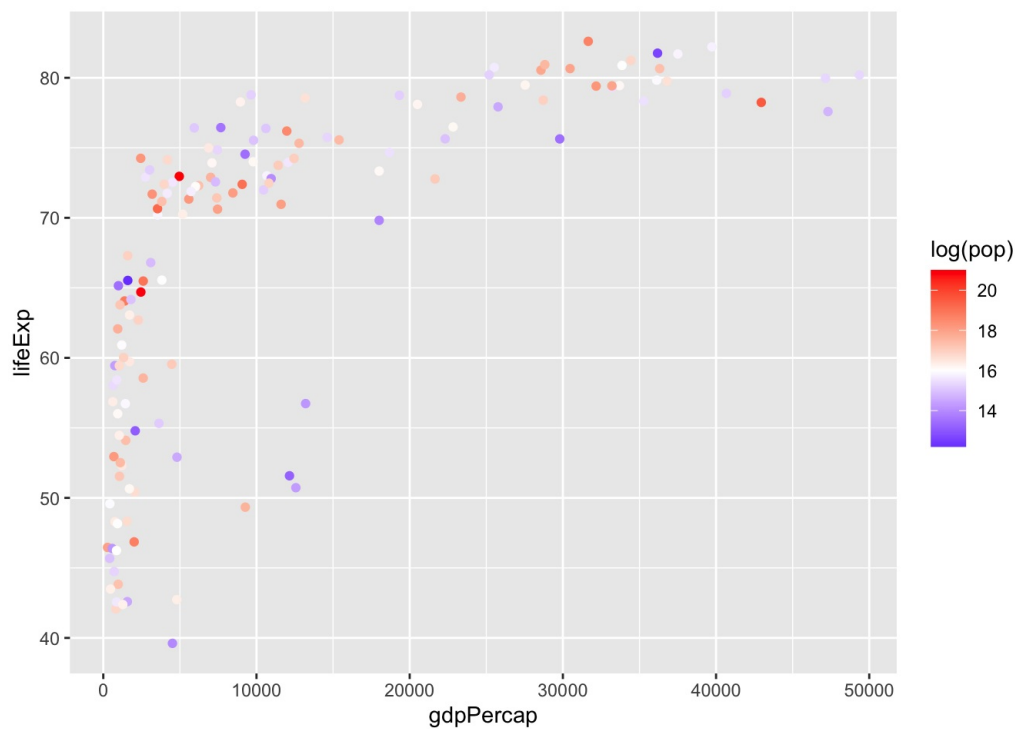
cambiando el color de los puntos segúnn gradiente

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



#cambiando el color de gradiente incluyendo blanco y punto medio

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



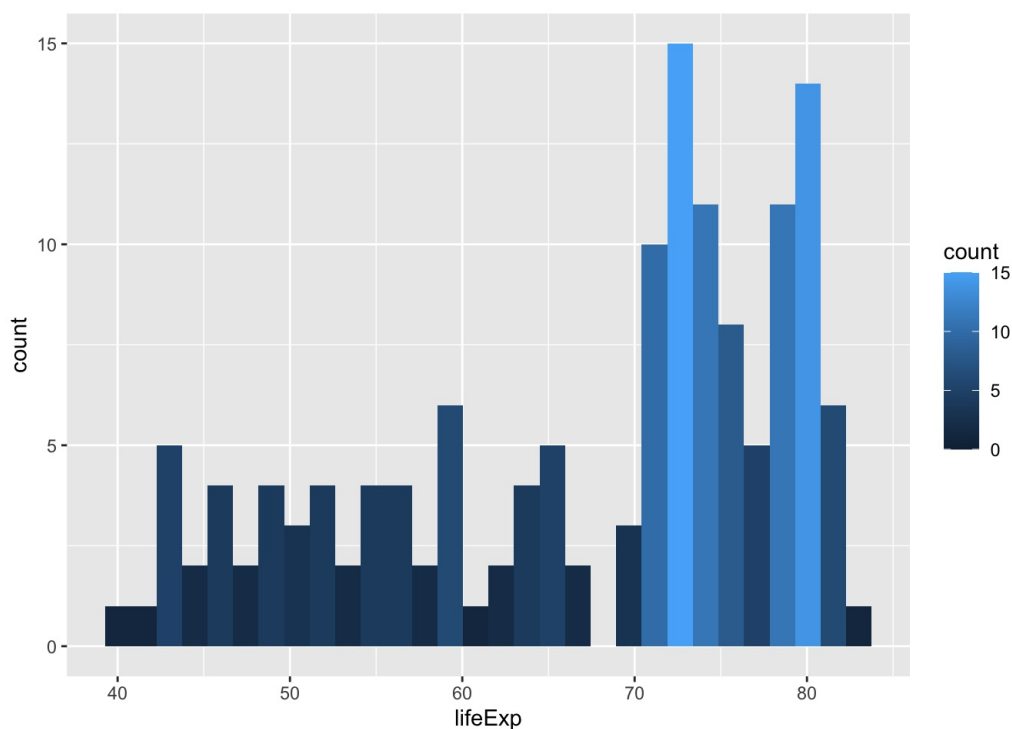
## haciendo boxplot en poblacion

```
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`.
```



g4# cambiando color de barras histograma

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

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

