

Laboratorio52-MD

Leislle R. Manjarrez O.

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Hecho con gusto por Leislle R. Manjarrez O.

Laboratorio 52- Editando el color de los graficos- Parte 2

Instalar paqueterias `install.packages("gapminder")` `install.packages("ggplot2")`

Llamar la librerias

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

Cargar los datos al entorno

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

Filtrado por año 2007

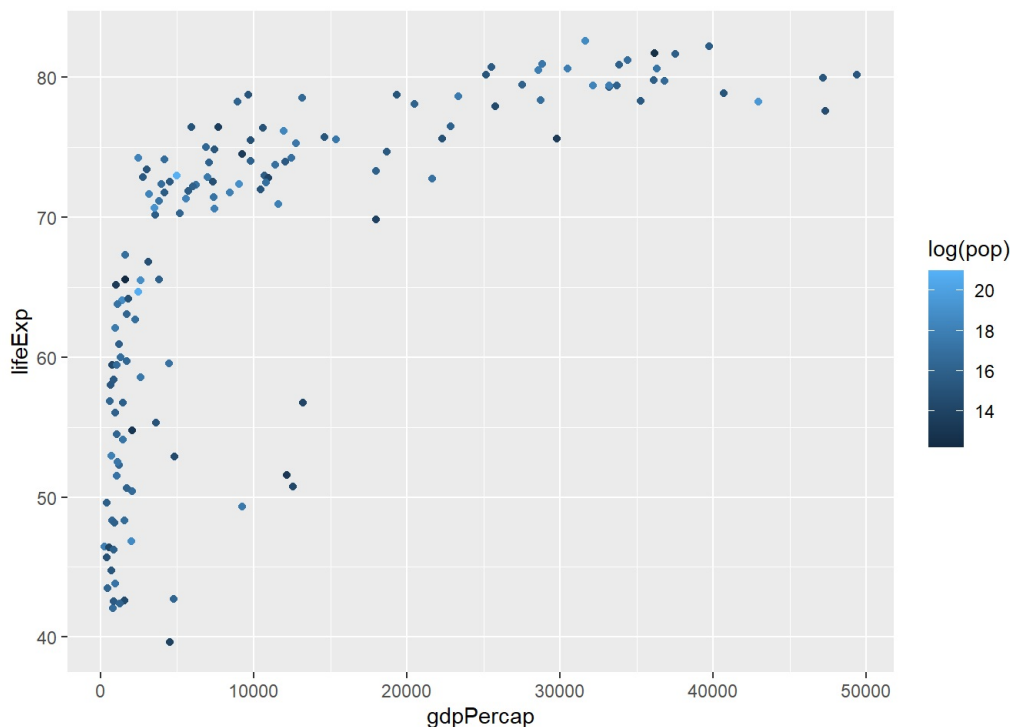
```
gapminder2007 <- gapminder[gapminder$year == '2007',]
```

Escala continua (variable continua) Grafico de puntos por poblacion

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

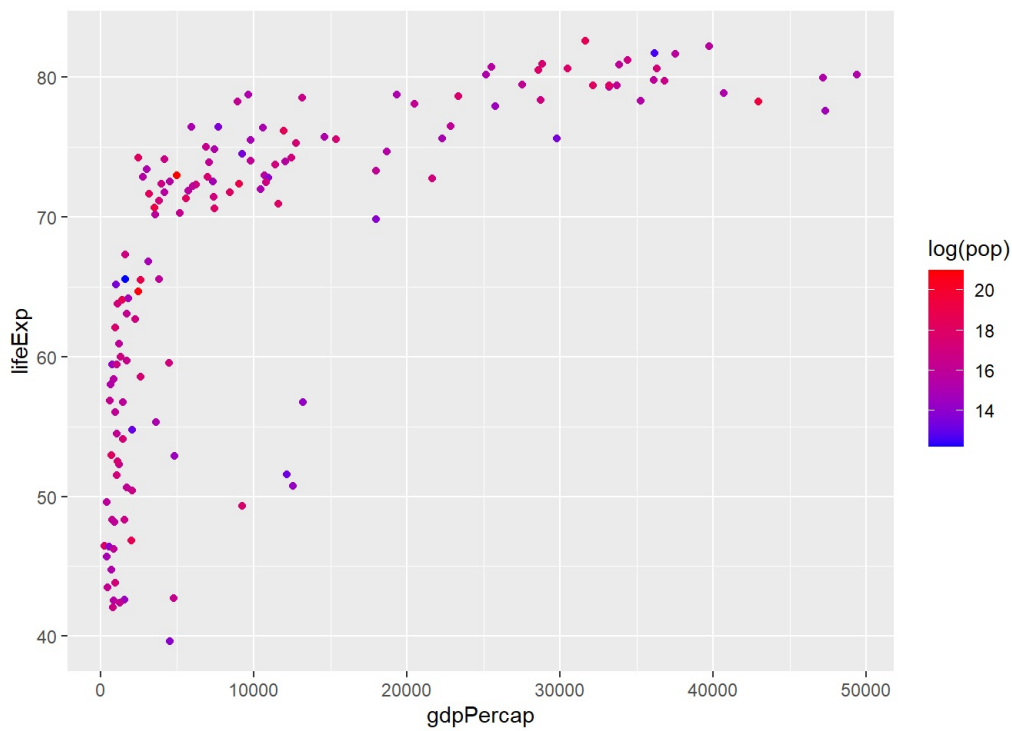
Ver g3

```
g3
```



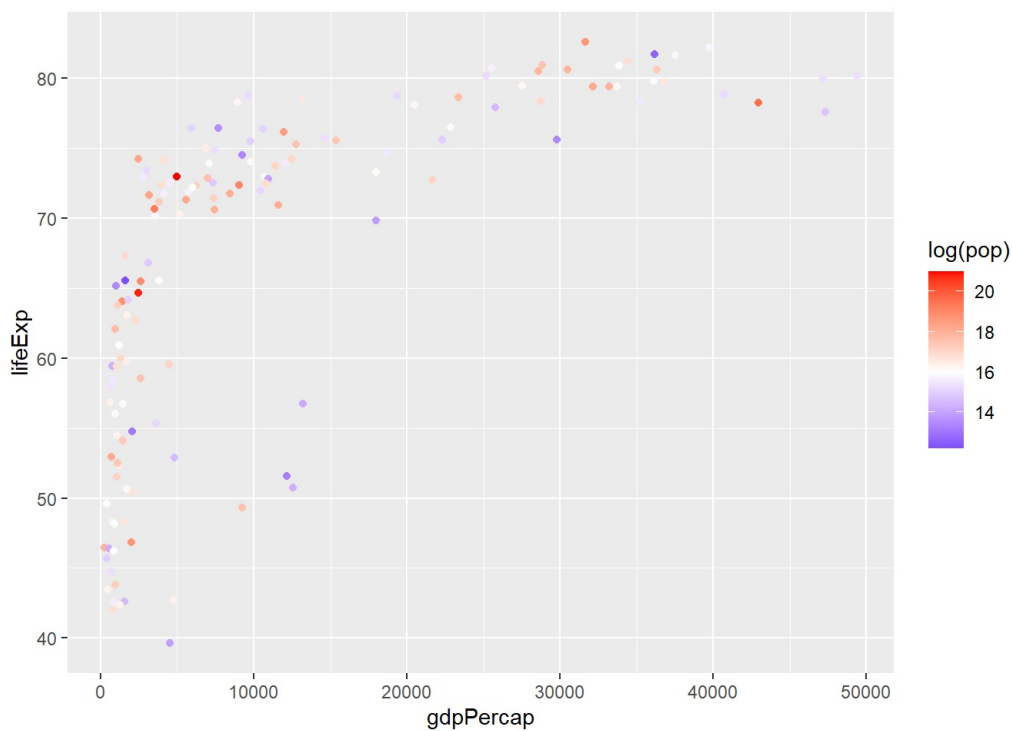
Cambiar el color de los puntos segun gradiente

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



Volver a cambiar el color de los puntos segun gradiente

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



Crear un nuevo objeto reciclando el codigo de boxplot

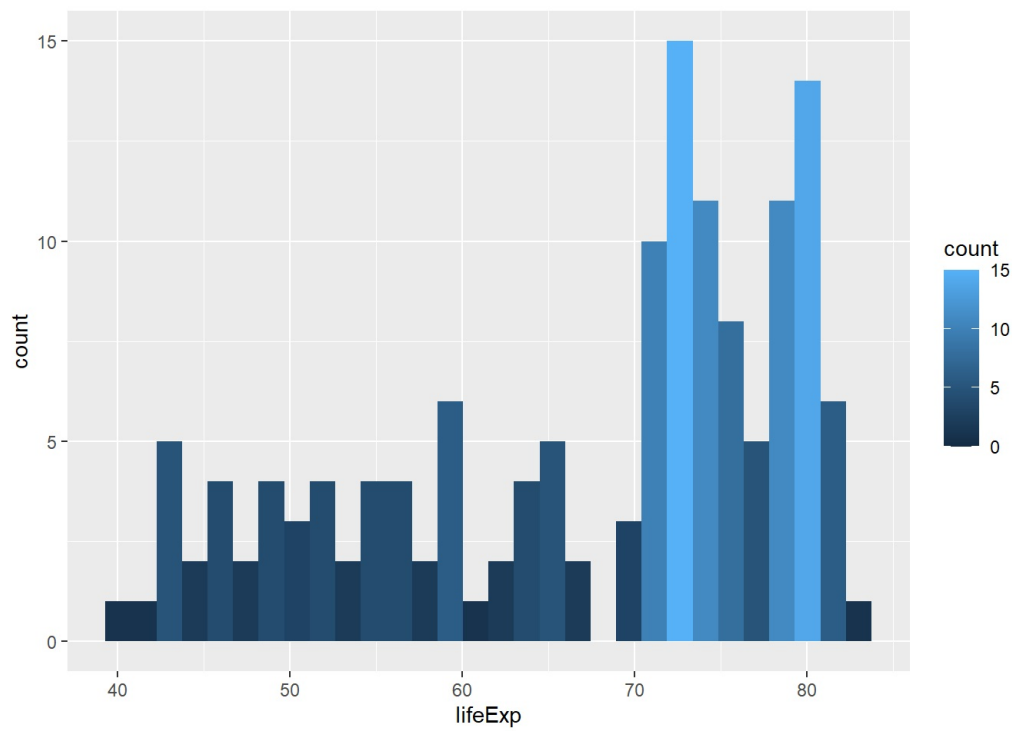
```
g4 <- ggplot(data = gapminder2007,
  mapping = aes(x= lifeExp,
    fill= ..count..))+
  geom_histogram()
```

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`.
```



Cambiar el color de las barras del histograma

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

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

