

R Notebook

Code ▼

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Laboratorio 45- Grafico de puntos con ggplot2

Instalar paquete de datos `install.packages("gapminder")`

Llamar la libreria

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```
library(gapminder)
```

Cargar los datos al entorno

Hide

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

Crear objeto filtrando por año

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

Visualizar encabezados

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```
head(gapminder2007)
```

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

Llamar a la libreria

Hide

```
library(ggplot2)
```

Crear un gráfico de puntos con ggplot

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```
ggplot(data = gapminder2007,  
       mapping = aes(x = gdpPercap,  
                     y = lifeExp)) +  
  geom_point()
```

Probando con distintos colores

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

Probando mas esteticas como forma y tamano

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```
ggplot(data = gapminder2007,  
       mapping = aes(x = gdpPercap,  
                     y = lifeExp,  
                     color = continent,  
                     shape = continent,  
                     size = pop)) +  
  geom_point()
```

Anadiendo texto

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```
ggplot(data = gapminder2007,  
       mapping = aes(x = gdpPercap,  
                     y = lifeExp,  
                     color = continent,  
                     shape = continent,  
                     size = pop)) +  
  geom_point() +  
  geom_text(label = gapminder2007$country,  
           color = "black",  
           size = 3)
```

Colocando lineas de regresion

[Hide](#)

```
ggplot(data = gapminder2007,  
       mapping = aes(x = gdpPercap,  
                     y = lifeExp,  
                     color = continent)) +  
  geom_point() +  
  geom_smooth (method = lm)
```

Quitando desviacion estandar de las lineas de regresion

[Hide](#)

```
ggplot(data = gapminder2007,  
       mapping = aes(x = gdpPercap,  
                     y = lifeExp,  
                     color = continent)) +  
  geom_point() +  
  geom_smooth (method = lm,  
              se = FALSE,  
              fullrange = TRUE)
```