Lab3 C.Thomas

Charlene Thomas

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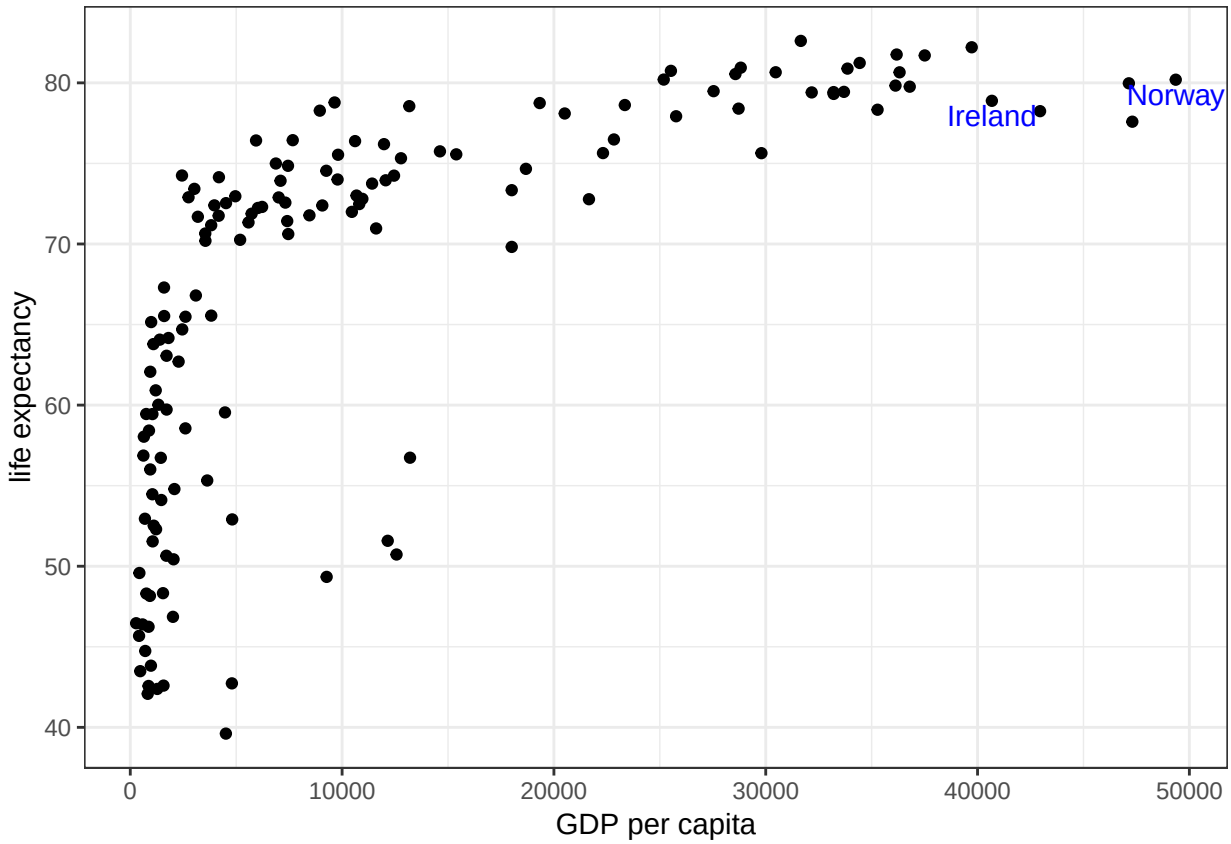
Assignment for Lab 3

1. Read Chapter 19 from "R for data science" (online version). Completed!
2. Create a GitHub repository Lab3 (files with R code for the assignment should be added to this repository)

Completed!

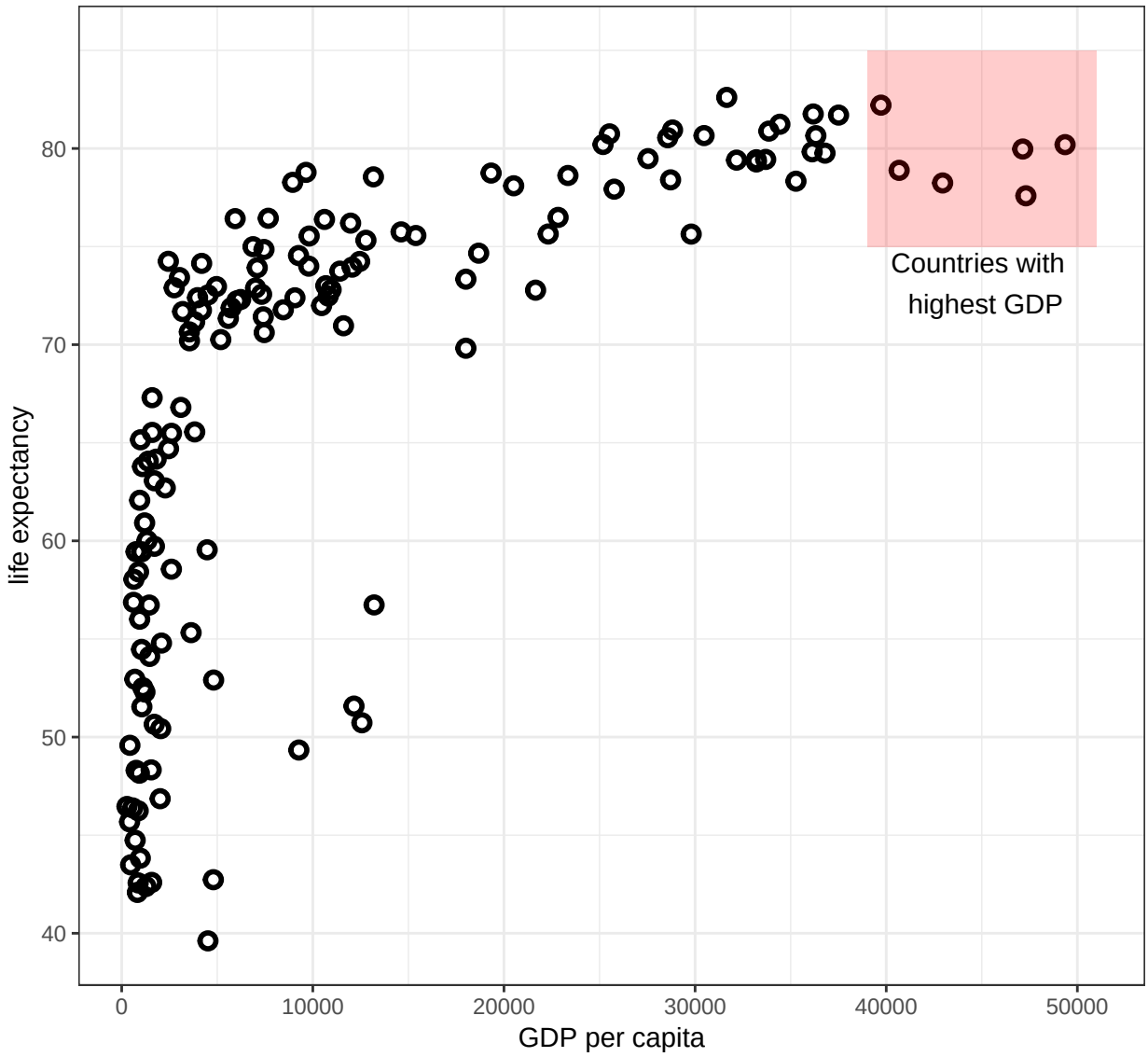
3. Complete Problem 2 from "Activity for Lab 3".

```
library(tidyverse)
library(gapminder)
gapminder %>%
  filter(year == 2007) %>%
  ggplot(aes(x = gdpPercap, y = lifeExp)) +
  geom_point() +
  geom_text(aes(label = ifelse(gdpPercap > 40000 & continent == "Europe",
                               as.character(country), '')),
            color = "blue", vjust = 1.2) +
  xlab("GDP per capita") +
  ylab("life expectancy") +
  theme_bw()
```



4. Modify your R code for the previous problem and recreate the graph:

```
library(tidyverse)
library(gapminder)
gapminder %>%
  filter(year == 2007) %>%
  ggplot(aes(x = gdpPercap, y = lifeExp)) +
  geom_point(shape = 1, stroke = 1.5, size =2) +
  annotate("rect", xmin = 39000, xmax = 51000,
           ymin = 75, ymax = 85, alpha = 0.20, fill = "red") +
  annotate("text", label = "Countries with \n highest GDP",
           x = 45000, y = 75,  size=4, vjust = 1.1) +
  xlab("GDP per capita") +
  ylab("life expectancy") +
  theme_bw()
```


life expectancy
80
70
60
50
40
0
10000
20000
30000
40000
50000
GDP per capita
Countries with
highest GDP