

Continental

```
# load libraries
library(tidyverse)
library(ggthemes)
```

In this mini-assignment, you are going to use the following data set.

- The file `processed-20220221-owid-life-expectancy-vs-gdp-per-capita.csv` data set. (Max Roser & Ritchie, 2013)

```
D1 <- read_csv("processed-20220221-owid-life-expectancy-vs-gdp-per-capita.csv")
```

1. Create a subset of the data where you only choose the year range 2008-2018, and take the mean of the `life_expectancy` and `gdp_per_capita` variables for each country. Remove the rows with “Antarctica” in the `continent` variable. You can use the not-equal-to `!=` operator. Remove any rows with missing values.
2. Using the subset data from problem 1, create a figure where the x-axis is the `gdp_per_capita` variable and the y-axis is the `life_expectancy` variable. Color each point according the `continent` variable, and size each point proportional to the `population_estimates` variable. These numerical variables are the summarised version from problem 1. Use the `facet_wrap()` function to separate each continents into sub-figures and use the `scale_colour_colorblind()` function to color the points. Use the `log10()` transformation on the x-axis. No need to write your observations.
3. Open the complement mini-assignment file named `complement-mini-assignment-20220224.Rmd` and finish the instructions written inside. Knit the Rmd into HTML, and upload the resulting files using the [Google form](#).

References

Max Roser, E. O.-O., & Ritchie, H. (2013). Life expectancy. *Our World in Data*. <https://ourworldindata.org/life-expectancy>