Rainbow

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

In this mini-assignment, you are going to use the following two independent data sets.

- 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")
```

- The file `processed-20220221-unf-life-lgbt-data-2018.csv`. Note: The variable `sogi_li` is a sexual orientation and gender identity legal index. This data set is from 2018. Descriptions of the variables are available from the original data source. (Serwatka, 2020)

```
D2 <- read_csv("processed-20220221-unf-life-lgbt-data-2018.csv")
```

1. Use the `full_join()` function to combine the data sets according to country and continent.
2. Explore the combined data set and apply these three following scaling and color functions, and describe your observations of your figures. Make sure that you label and title your plots properly.
    a. Any of the `scale_fill()` functions.
    b. Any of the `scale_colour()` functions.
    c. Any of the `log()` function transformation.

References

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

Serwatka, T. S. (2020). Dataset for sexual orientation and gender-identity (SOGI) laws that support and/or limit international development (2018). In *University of Florida, Research Datasets*. https://digitalcommons.unf.edu/datasets/1/