Instructions

- Clear the environment
- Open a new R Script called day5_exercise_script where you will do the exercise and later save in the day5 project directory.
- Add the purpose of the file and the author [MANDATORY]
- Here are the main activities for this excercise
 - 1) Load the rio, lubridate, epikit, janitor, infer and tidyverse package
 - 2) Load the WHR2018.csv dataset using the import function.
 - 3) clean the column names to remove spaces
 - 4) Explore the distribution of all continuous variables using density, bar and boxplots

1 Importing the dataset into R and clean names

- Download the WHR2018.csv from your emails and save it in the Data folder
- Import the dataset into R using the import function
- Clean the all column names to remove spaces betwen the names

2 Subsetting

- Subset the imported dataset and onle keep the following variables:
 - country
 - year
 - freedom to make life choices
 - confidence in national government
 - positive affect
 - negative_affect

3 Droping records with missing data

• In all the columns selected above, remove records that have missing data.

4 Scatter plot, correlation coefficient and line of best fit

- Make a scatter plot of negative_affect vs. positive_affect
- Calculate and interpret the correlation coefficient of negative_affect vs. positive_affect
- Add a line of best fit. HINT: add a layer of geom_smooth()

5 Linear regression

- Fit a linear regression model on negative_affect vs. positive_affect
- Interpret the output

6 Chi square test

- Do a chi-square test of facility utilization Pre-covid and during covid
- Use the covid tab table below
- What do you think of the association?