Week Six Assignment Template

ID, Last, First

2024-01-30

## Week Six Assignment

Choose any data.

* Create an R Markdown file (w6\_g123456.Rmd) of a data analysis containing the following and submit the rendered files (an R Notebook (w6\_g123456.nb.html), an isoslides presentation (w6\_g123456.html) , and a PDF (w6\_g123456.pdf) ) and data file unless automatically imported using WDI or URL in Moodle.
  1. Create an R Notebook using the R Notebook Template in Moodle and save it as, for example, w6\_g123456.Rmd.
  2. Edit author with name, ID, and title.
* Contents should include the following:
  + A short abstract
  + Information of data including data name, description and link to reach the data
  + Several charts: a bar graph or a column graph, a histogram, a line graph, a scatter plot
  + Observations or questions for visualizations
* R Notebook: Run each code block and preview to create w6\_g123456.nb.html.
* isoslides presentation: Use Header 2 or Horizontal Rule to create page break and create w6\_g123456.html (With a isoslides presentation, you can create a PowerPoint file, but you do not need to submit it.)
* A short paper in PDF (w6\_g123456.pdf): Directly create a pdf or through MS Word. The contents do not have to be exactly the same as R Notebook.

Submit your R Notebook file (w5\_g123456.nb.html), isoslides presentation (w6\_g123456.html),and a PDF (w6\_g123456.pdf) (with data if necessary) in Moodle (Week Six Assignment).

***Due Sunday 4, February 2024, 11:59 PM***

## Short Abstract

## Information of data

## Setup

library(tidyverse)

## ── Attaching core tidyverse packages ──────────────────────── tidyverse 2.0.0 ──  
## ✔ dplyr 1.1.4 ✔ readr 2.1.5  
## ✔ forcats 1.0.0 ✔ stringr 1.5.1  
## ✔ ggplot2 3.4.4 ✔ tibble 3.2.1  
## ✔ lubridate 1.9.3 ✔ tidyr 1.3.0  
## ✔ purrr 1.0.2   
## ── Conflicts ────────────────────────────────────────── tidyverse\_conflicts() ──  
## ✖ dplyr::filter() masks stats::filter()  
## ✖ dplyr::lag() masks stats::lag()  
## ℹ Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors

library(WDI)  
library(readxl)  
library(countrycode)

## Importing Data

## Viewing Data

## Visualization and Analysis

*Do not forget to add observations and questions.*

## Conclusion

## References

* Data Analysis for Researchers. [[Link](https://icu-hsuzuki.github.io/da4r/)]
* Cheat Sheet. [[Site Link](https://rstudio.github.io/cheatsheets/)]
  + R Markdown [[Link](https://rstudio.github.io/cheatsheets/html/rmarkdown.html)]
* R Markdown Definitive Guide [[Link](https://bookdown.org/yihui/rmarkdown/)]