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 --
## v dplyr     1.1.4     v readr     2.1.5
## v forcats   1.0.0     v stringr   1.5.1
## v ggplot2   3.4.4     v tibble    3.2.1
## v lubridate 1.9.3     v tidyr     1.3.0
## v purrr     1.0.2
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

```r
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]
- Cheat Sheet. [Site Link]
  - R Markdown [Link]
- R Markdown Definitive Guide [Link]