ENV 797 - Time Series Analysis for Energy and Environment Applications | Spring 2026

Assignment 1 - Due date 01/15/26

Yeeun

Directions

Before making any edits to this file, please rename it such that it includes your first and last name (e.g., "LuanaLima_TSA_A01_Sp26.Rmd")

Once you have this renamed file open in RStudio, the first thing you will do is replace "author:" on line 3 with your name. Then you will start working through the assignment by **creating code and output** that answer each question. Be sure to use this assignment document. Your report should contain the answer to each question and any plots/tables you obtained (when applicable).

When you have completed the assignment, **Knit** the text and code into a single PDF file. Submit this pdf using Canvas.

Questions

Q1. What are your previous experiences with time series analysis, R, and Git?

> Answer: I don't have any experiences with time series analysis, but I took ENV 872 and ENV 710 and used R during these classes.

Q2. For this part we just want to see the path to your R project. No need to do anything. The output will be automatically generated once you knit you file.

> Answer: This is my working directory:/Users/yeeunkim/Library/CloudStorage/OneDrive-DukeUniversity/2026 Spring/ENVIRON 797 Time Series Analysis/TSA_Sp26/Assignments

```
getwd()
```

```
## [1] "/Users/yeeunkim/Library/CloudStorage/OneDrive-DukeUniversity/2026 Spring/ENVIRON 797 Time Series
```

Q3. Copy and paste the link to your forked repository on Github. It should looks like this: "https://github.com/lmmlima/TSA_Sp26"

> Answer: https://github.com/yeeun723/TSA_Sp26