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

Assignment 1 - Due date 01/15/26

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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 have limited formal experience with time series analysis, but I find it to be a fascinating and highly practical topic with broad applications. I'm eager to deepen my understanding through this course and gain hands-on insights into the methodology.
>
> Regarding R, I have used it extensively in previous coursework and am currently enrolled in another course that relies heavily on R programming. I'm comfortable with the language and look forward to further strengthening my skills in this class.
>
> As for Git, given my Data Science background, I have utilized it regularly for version control and collaboration in past projects and coursework, so I'm familiar with its core functionalities.

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:

```
getwd()
```

```
## [1] "/home/guest/TSA_Sp26/Assignments"
```

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/mingjie-wei/TSA_Sp26