ENV 797 - Time Series Analysis for Energy and Environment Applications | Spring 2025

Assignment 1 - Due date 01/16/25

Justin

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_Sp25.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 Sakai.

Questions

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

> Answer: My experience with time series is limited to the module in EDE. I have experience with R from my undergraduate degree. I have experience with Git with R from EDE, GitHub desktop, GitHub command line, and version control through VS Code from the Geospatial Data Analytics course.

Q2. (Only if you choose to use git) Provide a link below to your forked course repository in GitHub. Make sure you have pulled all recent changes from the course repository and that you have updated your course README file as instructed on the recorded video "Getting started with Git and Github".

> Answer: https://github.com/jwmaynard/TSA_Sp25

Q3. 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_Sp25"
```

Q4. Copy and paste the link to your forked repository on Github. It should looks like this: "https://github.com/lmmlima/TSA_Sp25"

> Answer: This is my working directory: https://github.com/jwmaynard/TSA_Sp25