ENV 790.30 - Time Series Analysis for Energy Data | Spring 2023

Assignment 1 - Due date 01/24/23

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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_Sp23.Rmd")

Once you have this renamed file open in RStudio, the first thing you will do is replace "Student Name" 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: I had the opportunity to use a R in my undergraduate studies as well as in your Environmental Data Analytics (EDA) course. I also gained exposure to GitHub in EDA and in John Fay's Geospatial Data Analytics course. However, I don't have any previous experience with time series analysis.

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/kelseybhusted/TimeSeriesAnalysis_Sp23.git

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:

```
#adding this code chunk in to ensure that my wd is set to the project folder
knitr::opts_chunk$set(echo = TRUE)
knitr::opts_knit$set(root.dir = "/Users/kelseyhusted 1/Desktop/Time Series Analysis/ENV790TSA")
```

```
getwd()
```

```
## [1] "/Users/kelseyhusted 1/Desktop/Time Series Analysis/ENV790TSA"
```