ENV 790.30 - Time Series Analysis for Energy Data | Spring 2022

Assignment 1 - Due date 01/14/22

Ben Joseph

Directions

You should open the .rmd file corresponding to this assignment on RStudio. The file is available on our class repository on Github. And to do so you will need to fork our repository and link it to your RStudio.

Once you have the project open the first thing you will do is change "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. Rename the pdf file such that it includes your first and last name (e.g., "LuanaLima_TSA_A01_Sp22.Rmd"). Submit this pdf using Sakai.

Questions

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

> Answer: As an MPP student, I took two semesters of Econometrics. We did about 1-2 weeks on time series analysis, enough to get a basic understanding of the key concepts. We recreated a study using TSA in Stata. I am excited to explore the topic more as it is an important part of analyzing key energy issues.
>
> I have no prior experience in R and Git. I am excited to learn!

Q2. 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/bpjoseph129/ENV790_TimeSeriesAnalysis_Sp2022

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] "/Users/benjoseph/iCloud Drive (Archive)/Documents/Apps/Grad Schools/Duke/Duke/TSA/RStudio docs 3
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