

Eco 213 (Data Analysis and Basic Econometrics): Monsoon 2022

Instructor: Gitanjali Sen**Total Marks: 20****Take-Home (Graded) Assignment: 9th Nov 2022****Due Date: 4th December 2022**

Submission Instruction: Please submit the following files to your TA Dakshita Kothari and Kashish Gulati (email: dk503@snu.edu.in and kg249@snu.edu.in respectively, by 4th December 2022. All filenames should start with your name, followed by content type (like the main answer, code file, log file etc.).

Submit the followings:

1. the WORD Document is the main answer file, where you need to write the answer. Here, you also write the details of the data set used and variable names used, so that one can run your do file to verify the work.
2. Submit supporting work, that are, Stata do file or text file (where you write the Stata code),
3. Stata log file.

These are the mandatory submission requirements, without any of these your assignment will not be graded. No late submission will be accepted

Before the beginning of the work, you need to generate log file, name it and save it. After that, you open do file for coding. After all your work is done, you can save the log file and exit. That way, all your work history will be captured. This will help us to run your code and verify the work. If you do not know how to save a log file, ask Dakshita/Kashish for help.

Please note that you must prove the originality of your own work. So, if you discuss among yourselves and the work looks similar, you may be penalized. For any Stata related help, TA should be able to help you.

This is a learning exercise with a very small weightage in course evaluation, so try learning it and do not panic.

Exercise:

1. **C4 of Wooldridge** (Computer based exercise from Chapter 3): There are 5 parts in the question. Just to ensure that you get the same question that I want, I am copying the 1st part of the question below. **But you need to do all the parts from 1 to 5 in this question.**

Use the data in ATTEND.RAW for this exercise.

- (i) Obtain the minimum, maximum, and average values for the variables atndrte, priGPA, and ACT.
Do all the parts from i) to v). **12 marks**

2. **C8 Wooldridge** (same chapter as above)

Use the data in DISCRIM.RAW to answer this question. These are zip code–level data on prices for various items at fast-food restaurants, along with characteristics of the zipcode population, in New

Jersey and Pennsylvania. The idea is to see whether fast-food restaurants charge higher prices in areas with a larger concentration of blacks.

Do questions (i) to (iii) only.

8 Marks

Note: Since within each question, the parts are related, one answer may depend on the other, so I am not mentioning any specific marks of each part. That will be judged while grading. But you will get partial credit if it seems justified. This will be the discretion of the grader because your level of understanding will also be evaluated. So, even if some Stata calculation goes wrong, but your understanding seems right, you may get some credit. However, if your calculation is right, but you seem to have no clear /wrong understanding of the topic, you may not get credit. So, read the book examples carefully before writing an answer. Do not copy from a friend as your originality in writing answers will be credited.