

EC 103–002

Long Assignment 3

Prof. Santetti

Fall 2022

INSTRUCTIONS: You made it to the end! Congratulations!

Now it is time to apply, in a creative way, all you have learned throughout our *macro* journey. Hopefully, the last two "long" assignments will help you to be even more successful in this last piece.

For your final assignment, you will choose a data set—it's your choice, as long as it has *macroeconomic* data—, and, after exploring it in RStudio (through wrangling, summarizing, and visualizing), you will tell what story (or stories) lie behind the variable, the time period, and the country/group of countries/city/state/region you have chosen.

In other words, given the data and the work you have done with it, what is there to tell everyone? Try your best to combine it with what we've explored over the semester, in terms of macroeconomic concepts.

If you want to write an essay, including your text and visualization charts, feel free to do so. It should be no longer than 10 pages, double-spaced.

However, your **creative thought matters!** You may go about this assignment in other ways as well: you may record a video, a screencast, or even a podcast episode where you describe your thought process and your conclusions from the data you chose to explore.

One **mandatory** thing for your projects, regardless of format, is to have *at least 3 charts* in it. One of these charts may be a table, generated with the `{gt}` package. And you will use `{ggplot2}` for the remaining charts. In case you record a podcast, make the figures you describe available with links to your listeners.

If you come up with a different way of presenting your work from the ones suggested here, feel free to talk about it in class or during office hours.

I highly recommend that you explore several resources offered by Skidmore to go about your projects. For instance, explore the College's [Media Services](#), at the Scribner Library; the [Tang Teaching Museum](#), or even [Idealab](#), located on the first floor at CIS. Make sure to have fun throughout and enjoy the process!

You must complete your projects by **December 9 (F), 10 PM**, submitting it through theSpring. Then, on December 15 (our "Final exam" day), we will discuss and evaluate all projects. Your input and impressions will help me with the grading process, so make sure to check everyone's work carefully.

Feel free to work either **individually** or **in groups** (recommended, max. 3 students per group).

Assignment due December 9 (M), 10 PM.

Points Possible: 50

- Time is not an issue to complete this project. In accordance with our **course syllabus**, no late submissions will be accepted.
- Be honest. Don't cheat.
- As a Skidmore student, always recall your votes of academic integrity, and the **Honor Code** you have abided by:

"I hereby accept membership in the Skidmore College community and, with full realization of the responsibilities inherent in membership, do agree to adhere to honesty and integrity in all relationships, to be considerate of the rights of others, and to abide by the college regulations."

- Some suggested databases to look for macroeconomic data:
 - [US FRED \(Federal Reserve Economic Database\)](#);
 - [World Bank Data](#);
 - [Our World in Data](#);
 - [OECD \(organization for Economic Cooperation and Development\) Database](#);

QUICK RUBRIC:

- Clear presentation of the data (be that written, spoken, or visual): 10 points
- Presenting at least three (3) charts to describe the data: 10 points
- Presenting a clear motivation on *why* that particular data/country/region was chosen, as well as providing potential explanations on why that event has happened (i.e., what is the story behind the data?): 20 points
- Creativity points: presentation, motivation, and effort to provide a good presentation to everyone: 10 points

IMPORTANT POINTS:

- You must generate the charts/tables by yourselves. **Screenshots** from other sources are not allowed, and you will receive **no credit**.
- We've had several *lab lectures* guiding you through generating beautiful charts and tables using RStudio. These lectures are recorded and available at our [GitHub repository](#) for you to watch at your convenience. Make sure to use these resources.