ECON 8320 – Tools for Data Analysis
Semester Project [250 points]

The semester project is intended to allow you to practice putting all of the concepts from class to use in a data project of your own choosing. You will be expected to scrape data from a website, clean that data in preparation for analysis, then implement your chosen form of analysis in order to address your proposed research goal. You may choose any research question that interests you, so long as you scrape data from one of the following websites:

- `https://www.sports-reference.com/`

- `https://www.etsy.com/`

- `https://brickset.com/`

I anticipate that scraping sports-reference.com will be significantly easier, but want to accomodate the fact that not everyone will be interested in completing a sports-related research project.

Steps to Project Completion:

1. Project Proposal (50 pts)

   - What data source will you use?
   - What question will you attempt to answer?
   - What information do you anticipate will allow you to answer that question?

2. The Project (150 pts)

   - Conduct research based on your proposal using the tools covered in this class

- Write a short summary of your findings (about 3 pages)
- Discuss tools that we didn't cover that might have been useful in your project

3. The Presentation (50 pts)

- Summarize your results for the class
- Discuss one or two challenges you encountered, and your solution
- Presentation should be approximately 5-7 minutes

What to Turn In:

1. Project proposal (in Word or PDF format)

2. Code for project implementation (may be in multiple files, but each should be of the .py format)

3. Project write-up (in Word or PDF format)

4. Slides?