Coding Samples

Main: Matlab

Due to the size of the coding sample, it is more convenient to view the code at https://olegtelegin.github.io/matlabcodesample/.

It solves the model from the working paper *"Always Silent? Endogenous Central Bank Communication During the Quiet Period."* It features a machine learning-like algorithm to solve the model and uses Monte Carlo simulations to gather observations. The page includes:

✦ .m file

✦ Its HTML representation

✦ A code flowchart for a more comprehensive understanding of the code

✦ An example of the output file.

Additional: Python [Link]

This code sample is part of a larger project to analyze Fedspeak through GPT models. Specifically, it facilitates the preprocessing of .txt transcripts from Bluebooks/Tealbooks by extracting mentions of various policy Alternatives.

Additional: Stata [Link]

This code from a recent data task for another RA position merges a .txt file with several .csv files into a unified dataset. It applies Regression Discontinuity Design to investigate the influence of Yelp ratings on revenue, scrutinizes data oddities, and examines potential review manipulations near rounding points. Then, it demonstrates how assumptions in data preprocessing can affect Regression Discontinuity Design outcomes.