Problem Set 1

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1 Summary

Interests in Economics & Data Science   My broad interests are in Labor and Development Economics. I am drawn to the empirical and topical breadth of these fields. Regarding data science, I am particularly interested in building and managing datasets to ready them for econometric analysis. I also deeply care about measurement and democratizing data access.

Motivation for this Class   I view this course as an opportunity to build on the structural modeling skills I developed last fall. Additionally, I look forward to engaging with a cohort and professor whose research interests and methodological focus align closely with my own.

Project Ideas   I have not yet converged on a specific topic, but I plan to leverage ongoing RA/co-author work. Two potential avenues include managing a large-scale peer effects panel (1M+ observations) with Dr. Carlson, or web-scraping disaster notifications from ReliefWeb for Dr. Hamory. Ideally, I would like to work through my long list of ideas and jump-start dissertation work through this course.

Goals for the Class   My primary goal is to enhance my competitiveness for the job market by expanding my methodological toolkit. Specifically, I aim to refine my data management workflows, improve research productivity, and produce high-quality, organized output. I would also like to have fun.

Post-Graduation Plans   Like many PhD candidates, I plan to apply to a diverse range of positions across government, industry, and academia. I am passionate about research and have deeply valued my time tutoring in the ELL; therefore, my ideal role is one that combines independent research with the opportunity to mentor students or junior economists.

2   Equation

$$a^2 + b^2 = c^2 \tag{1}$$