Thomas Williams

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Graduate of master's program in economics with a natural sciences background who is interested in economic and finance related analyses. I have interest in applying data analysis to real world problems, using the tools I have learned in my Economics masters. My academic background in both hard sciences and social sciences give me strong communicative, technical and analytical tools to pursue these endeavors. I am currently working as an Economist at the FHFA.

Education

Emory University, B.S. double major in Chemistry and Economics   Aug 2018 – May 2022
- Economics GPA: 3.96/4.0

Columbia University, M.A. in Economics   Sep 2022 – Dec 2023
- GPA: 3.76/4.0

Relevant coursework: Econometrics, Industrial Organization, Competition, Estimation, Financial Economics, Machine learning

Technical Experiance

RAMP Economist, FHFA – Washington D.C   Aug 2024 – Present
- Provided Support as needed on any Econometric/data analysis at all levels;Cleaning, structuring, analysis and visualization.
- As a research assistant: Cleaned data, produced graphics and provided assistance in estimations (Rstudio and Stata) for paper on appraisals and disclosure law (link) with William M. Doerner, Michael J. Seiler, Matthew Suandi
- As co-author: Cleaned data, produced graphics, performed estimations as well as providing assistance in theory section and writing for paper on Time-On-Market (working paper release forthcoming) with Justin C. Contat, William M. Doerner and Daniel R. Lane.

Research Assistant - Columbia University   Feb 2023 – Dec 2023
- Estimated quality of life of special needs students under the supervision of Tushar Kundu (tk2859@columbia.edu).
- Assisted in the construction and editing of surveys in Qualtrics, analyzed relevant literature and applied econometric techniques for data analysis.
- Assisted in the developing measures of subjective quality of life.
- Strengthened analytical, research, and problem-solving skills as well as proficiency in complex data analysis and effective communication.

Research Assistant - Emory University   Sept 2021 – Dec 2023
- Conducted research that focused on the derivation of industrial organization models under the supervision of Dr. Samiran Banerjee (sbaner3@emory.edu, Department of Economics).
- Studied deriving price competition without truth telling and gave weekly presentations of results.
- Continued work on quantity competition models with unorthodox cost bases.

Tutor, Emory University – Atlanta, GA   Feb 2021 – July 2021
- Tutored Economics 101 through Emory's tutoring center.

Skills

- Statistical Analysis | Machine Learning | Big Data | SOMB I certified | Real Estate
- Classroom experience with accounting, transfer pricing and financial economics
- R | Mathematica | Python | MATLAB | Stata | Qualtrics | AWS (linux, windows) | LaTeX
- English (Native) | French (Proficient) | Turkish (Beginner)