

Gregory Barbieri

(202) 413-3522 · gfbarbieri@gmail.com

PROFESSIONAL EXPERIENCE

Bureau of Labor Statistics, Washington, D.C.

GS – 13 Senior Economist, October 2018 – Present

- Wrote technical requirements to modernize a data pipeline for the Consumer Price Index (CPI) program.
- Designed and implemented new system features on a monthly sprint cycle.
- Co-lead monthly demonstrations of completed features to stake holders and management.
- Taught courses on and mentored students in using statistical programming languages and time management.
- Served as mentor for new employees.

GS – 12 Economist, July 2016 – October 2018

- Lead a team to replace the main source of establishment data for the CPI's pricing surveys.
- Maintained analysis and work plans in order to respond quickly to shifting requirements.
- Authored reports on trends response rates, non-response bias in survey data.
- Regularly presented trends in survey data to support management decision making.
- Presented to internal and external audiences on CPI's sampling methodology and plans for modernization.

GS – 9, 11 Economist, July 2014 – July 2016

- Wrote technical requirements to ensure accurate survey data collection for the CPI price program.
- Coordinated with the US Census Bureau to test and implement survey protocols and ensure data quality.
- Took initiative to revise data processing schedules to discover issues earlier in the process.
- Streamlined survey data review processes by writing a suite of SAS programs to replace ad-hoc review.
- Performed statistical analysis to identify outlier expenditure data and determine treatment.
- Answered internal and external data inquiries on US consumer behavior.

Georgetown University, School of Continuing Studies

Lecturer for the Certificate in Data Science

Washington, D.C.

April 2021 – Present

- Demonstrated how to use visualizations to facilitate machine learning model selection and evaluation.
- Demonstrated how to assess machine learning model performance and diagnose common problems.
- Taught the importance of data visualizations in the data science pipeline.

Georgetown University, School of Continuing Studies

Teaching Assistant for the Certificate in Data Science

Washington, D.C.

January 2020 – June 2020

- Reviewed and updated course materials for their data science curriculum.
- Regularly met with students to reinforce their lessons on data analysis, visualization, and machine learning.
- Guided students through in-class coding exercises.

Security and Exchange Commission

Division of Economic and Risk Analysis, Internship

Washington, D.C.

Spring 2014

- Performed literature reviews pertaining to policies of the Office of Financial Intermediaries
- Utilized SAS to produce and tabulate summary statistics and regression results.
- Utilized financial databases to retrieve information on banks for economic analysis.

EDUCATION

George Mason University

Ph.D., Economics

Fairfax, VA

Fall 2020 – Present

Georgetown University

Professional Certificate, Data Science

Washington, DC

Spring 2019

American University

M.A., Economics

Washington, DC

Fall 2012 – Spring 2014

Pennsylvania State University

B.S., Economics

State College, Pennsylvania

Fall 2006 - Spring 2010

TECHNICAL SKILLS

- SAS, Python, and SQL
- QGIS
- Machine learning
- Visual analytics
- Microsoft Office Suite
- Data analysis and insight

WORKSHOPS

- Gregory Barbieri, Big Data Sources and the Telephone Point of Purchase Survey, 2016 Federal CASIC Workshops, https://www.census.gov/fedcasic/fc2016/ppt/Barbieri_FedCASIC.pdf

WRITING SAMPLES

- Gregory Barbieri and Anya Stockburger, "CPI outlet samples from the CE: a new life for the Point-of-Purchase Survey," *Monthly Labor Review*, U.S. Bureau of Labor Statistics, April 2022, <https://doi.org/10.21916/mlr.2022.11>
- Gregory Barbieri, Telephone Point of Purchase Survey: 2017 Nonresponse Bias Analysis, Information Collection Request for the Office of Management and Budget, <https://www.reginfo.gov/public/do/DownloadDocument?objectID=78193801>