# Matthew Pesavento, PhD

Applied Econometrician, Health Economist

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| Website | https://matthewpesavento.github.io | Email | mtpesavento@gmail.com |
| Date of Birth | April 1994 | Mobile Phone | 1 (614) 370 1994 |
| Citizenship | United States & Italy | Location | Durham, NC & Columbus, OH |

## Education

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| Ph.D., Policy Analysis (Graduate Minor in Economics), Ohio State University | 2019-2024 |
| M.A., Economics, Miami University | 2018-2019 |
| B.S., Economics, University of Michigan | 2012-2016 |

## Experience

### Flatiron Health (Lead Statistical Programmer, Oncology) — 2025-Present

- Partner with Epidemiologists, Research Scientists, Research Oncologists, and project managers to translate Oncology research ideas and specifications into R code.
  - Routine statistical specifications include Survival Analysis, Kaplan-Meier curves, Hazard models, and propensity matching.
- Provide data expertise for research using EHR/RWD, including treatment outcomes, line of therapy information, genetic tests, and ML-extracted patient information.
- Lead statistical programming (including managing junior programmers) in numerous analyses of cancer treatment and patient outcomes in partnership with Pharmaceutical companies.
- Review Research Protocols and Statistical Analyses Plans for congruence with internal data, code libraries, and programmer capacity.
- Provide programmers with suggested code before analysis, offer technical statistical or coding assistance during analysis, review code for accuracy and style before delivering results to cross-functional partners.

### The Ohio State University (Postdoctoral Scholar and Graduate Student Researcher) — 2019-2025

- Lead analyst on large interdisciplinary team of PhDs, MDs, and Biostatisticians, across 10+ projects largely focused on health economics topics.
  - Contribute to selection of appropriate research design; statistical and econometric modeling; robustness and sensitivity checks; and draft reports, academic articles, and grant management documentation.
  - Trained and mentored 15 junior research analysts.
  - Led the management of the team's 17 TB of data and processes on the Ohio Super Computer.
  - One project featured in USA Today and named Top Retirement Research Paper of 2023.
- Utilize latest econometric and statistical techniques to analyze EHR, Cancer Registry, Credit Bureau, Academic Records, and Employment data on a daily basis, to conduct outcomes research.
  - Advanced knowledge of Diff-in-Diff, Event Study, Regression Discontinuity, Instrumental Variables, Linear and Logistic regressions, Propensity Matching, Synthetic Controls.
- Taught a 4000-level course on Rational Decision Making to Juniors and Seniors (instructor of record).
- Individually obtained $15,000 of grant funding from National Bureau of Economic Research, completed dissertation, published numerous academic articles, and presented at national conferences.

### Cardinal Health, Inc. (Sr. Analyst, Advanced Analytics, EMERGE Development Program) 2016-2018

- Lead analyst on project that rebalanced sales territories based on volume, sales performance, and geospatial preferences. Ultimately was awarded Best Advanced Analytics Project in 2017 across the entire company.
- Collaborated with multiple Health Networks to provide nearest neighbor benchmarking using CMS data, data science techniques, and visualization.
- Data analyst for strategic pricing team that priced specialty drugs and biosimilars at one of the three largest pharmaceutical distribution companies in the USA with annual revenues of $200B+.
- Implemented business logic to automate data analysis in SAS for pharmaceutical strategic pricing decisions.

## Technical Skills

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| Advanced Knowledge: | R, STATA, Python, Tableau, SQL, Alteryx |
| Basic Experience: | SAS, LaTeX, Matlab, ArcGIS |

## Extra Curricular

Married with three children, 2x Ironman triathlete, USSF soccer referee, wine economist and enthusiast