Matthew Pesavento

Education

The Ohio State University

Ph.D., Public Policy Analysis | Graduate Minor in Economics 2024

Dissertation: "Three essays on the economic consequences of chronic illness"

Specialties: Health economics, financial toxicity, social determinants of health, causal inference

Miami University

M.A., Economics 2019

University of Michigan

B.S., Economics 2016

Experience

Professional

Flatiron Health Durham, North Carolina

Statistical Programmer, Research Sciences 2025-present

- Independently translate analytic specifications from a statistical analysis plan into R code to create analytic datasets, generating descriptive and inferential statistics, data visualizations, often involving novel variables or complex statistical methods, in consultation with the study principal investigator.
- Serve as subject matter expert on appropriate use cases for, and nuances of, the variety of different Flatiron data modalities, including EHR-derived real-world data, clinico-genomics data, ML-extracted data, and claims data.
- Develop a proficient understanding of cancer biology, therapy, and/or epidemiology across multiple major tumor types and appropriately apply this understanding when crafting analytic code.
- Provide mentorship and support to more junior statistical programming staff.
- Collaborate with cross-functional stakeholders across our medical and scientific organization to execute and deliver on client-sponsored research studies in an accurate, effective, and timely manner.
- Contribute to continuous improvement of Flatiron's proprietary analytical tooling and templates, at times acting as liaison to the relevant teams and stakeholders.
- Continue to develop a deeper understanding of real-world data and related methodologies used to generate real-world evidence.

Cardinal Health, Inc. Dublin, Ohio

Senior Analyst, Advanced Analytics   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.

Academic

Collaborative for Financial Equity and Inclusion at The Ohio State University   Columbus, Ohio

Post Doctoral Researcher & Graduate Student Researcher   2024-2025, 2019-2024

- Lead analyst on large interdisciplinary team of PhDs, MDs, and Biostatisticians, across 10+ projects largely focused on health economics topics. Requires management of multiple project streams simultaneously.
  - One project featured in USA Today and named Top Retirement Research Paper of 2023.
- Utilize latest econometric and statistical techniques to analyze EHR from multiple hospital systems and Cancer Registry data on a daily basis, to conduct outcomes research.
  - Advanced knowledge (including academic critiques) of difference-in-differences models (e.g. event study DiD), regression discontinuity designs, instrumental variables, linear and logistic regressions. Working knowledge of several other econometric and statistical techniques, including synthetic controls.
- Led the management of the team's 17 TB of data and processes on the Ohio Super Computer, including secure data transfer via SFTP to/from hospital systems and state agencies.
  - Required advanced use of STATA, R, and SQL logic, and basic use of Linux.
- Trained and mentored approx. fifteen analysts in data management, efficient coding, and data visualization, including writing a STATA assessment administered to prospective applicants.
- Taught a 4000-level course on Decision Making to about 20 juniors and seniors (as instructor of record).
  - Required writing lectures, homework, and assessments, and managing the classroom.
  - Necessitated breaking down academic theory and research in a way that undergraduate students could learn the material.
- Individually obtained $15,000 of grant funding from National Bureau of Economic Research, completed dissertation, published numerous academic articles, and presented at national conferences.
- Routine duties include: contribute to selection of appropriate research design; statistical and econometric modeling; robustness and sensitivity checks; and draft reports, academic articles, and grant management documentation.

Research

Published

○ **Pesavento, M.T.** (2022). The impact of direct to consumer shipping laws on the number and size distribution of U.S. wineries. *Journal of Wine Economics*, 1-26. doi:10.1017/jwe.2022.49

○ Dormady, N., Roa-Henriquez, A., Hoyt, M., **Pesavento, M.**, Koenig, G., Welch, W., & Li, Z (2025). How are retail prices formed in restructured electricity markets?. *Energy Economics*, 143. doi:10.1016/j.eneco.2025.108243

○ **Pesavento, M.**, Loibl, C., Moulton, S., Haurin, D., Hyer, M., Dalmacy, D., and Joseph, J. *Association of type II diabetes with patient financial outcomes: evidence from consumer credit records.* [Accepted and Forthcoming at *JAMA Open*]

Working Papers

○ **Pesavento, M.** *The effects of type II diabetes on financial distress and labor Supply: evidence from administrative data.*

○ **Pesavento, M.** *The effects of household cancer diagnosis on investment in higher education.* Funded by NBER and Sloan Foundation.

○ **Pesavento, M.** *The impact of household cancer diagnosis on the labor supply of young adults.* Funded by NBER and Sloan Foundation.

○ Moulton, S., Brown, M., Haurin, D., Loibl, C., and **Pesavento, M.** *Economic security of older adults after the death of a partner: evidence from credit data.*

  - Featured in USA Today.
  - Awarded and named Top Retirement Research Paper of 2023.

○ Loibl, C., Moulton, S., Haurin, D., Joseph, J., Hyer, M., Moody, K., Perzynski, A., Einstadter, D., Miller-Hughes, S., and **Pesavento, M.** *Racial disparities in older adults' economic security when experiencing chronic health conditions: insights from electronic health records, wage earnings, and credit data.*

○ Chanda, T., Collins, M., Moulton, S., **Pesavento, M.**, and Rhodes, A. *Mind the gap: state reductions in unemployment insurance and credit use among vulnerable households.*

○ **Pesavento, M.**, Dormady, N., and Greenbaum, R.. *Moderating the effects of advising characteristics: evidence from a controlled experiment.*

In Preparation

○ **Pesavento, M.**, Maltz, R., and Moulton, S. *The impact of chronic health shocks in children on household labor supply and financial distress.*

○ Moulton, S., Padamsee, T., Loibl, C., Brown, M., Haurin, D., and **Pesavento, M.** *Credit Disparities in Widowhood by Race and Gender.*

Invited Presentations

Case Western Reserve and MetroHealth System Grand Rounds   April 2025

The association of financial resources and diabetes control: Evidence from administrative data

Cleveland, Ohio

Association of Public Policy and Management   November 2024

The effects of parental cancer diagnosis on the higher educational outcomes of young adults

Washington DC

SSA Retirement and Disability Research Consortium   August 2024

Racial disparities in older adults' economic security when experiencing chronic health conditions: insights from electronic health records, wage Earnings, and credit Data

Washington DC

Ohio State University Applied Microeconomics Lunch   April 2024

The effects of household cancer diagnosis on investment in higher education

Columbus, Ohio

BGSU & OSU Graduate Conference   October 2021

Corked wine: the impact of direct to consumer shipping laws on the size distribution of wineries

Columbus, Ohio

Association of Public Policy and Management   November 2019

Explaining resilience actions under repeated disasters: evidence from a controlled experiment

Denver, Colorado

Awards and Grants

National Bureau of Economic Research

Household Finance Small Grant [$15,000]   2023

The Ohio State University Graduate School

University Fellowship   2019

Teaching

Instructor of Record

PUBAFRS 4010 Decision Making   AU 2024

Service

Doctoral Student Representative to College Faculty and Staff Meetings

    Doctoral Student Representative   2023-2024

Ohio State PhD Conference on Real Estate and Housing

    Student Co-Chair   2019-2020, 2020-2021, 2021-2022

Technical Skills

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

Dataset Experience

    Experian consumer credit data

    Electronic medical records (Epic)

    Ohio cancer registry (OCISS)

    UI Claims and Wages (Ohio Department of Job and Family Services)

    Higher Education Information System (Ohio Department of Higher Education)

Professional Affiliations

American Economic Association (AEA)
Association for Public Policy Analysis and Management (APPAM)
Catholic Research Economists Discussion Organization (CREDO)
American Association of Wine Economists (AAWE)

References

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Associate Dean for Faculty and Research
The Ohio State University
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Meta Brown
Associate Professor of Economics
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Caezilia Loibl
Professor of Education and Human Ecology
Chair of Human Sciences
The Ohio State University
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Extra Curricular

Married with three children, amateur Ironman triathlete, USSF referee (inactive), wine enthusiast