

Matthew Forte
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Education

Northwestern University , Evanston, IL PhD Candidate in Statistics and Data Science <i>Advisor: Elizabeth Tipton</i> <i>Areas of Emphasis: Meta-Analysis, Generalizability, Evaluation</i>	Expected May 2026
Carnegie Mellon University , Pittsburgh, PA Masters in Statistical Practice	2019
University of Dayton , Dayton, OH B.S. in Mathematics, Double Major in Economics, Minor in Psychology	2018
Maynooth University , Maynooth, Ireland <i>Semester Abroad</i>	2016

Honors and Awards

Statistics and Data Science Conference Travel Grant , Northwestern University	2024, 2025
The Graduate School Conference Travel Grant , Northwestern University	2024
University Fellowship , Northwestern University	2021-2025
Summa Cum Laude Graduate , University of Dayton	2018
Dean's List (7 Semesters) , University of Dayton	2014-2018
Trustees' Merit Scholarship , University of Dayton	2014-2018

Working Papers

Forte, M & Tipton, E. Meta-Analysis Reconceived from a Finite Population Sampling Perspective. *Research Synthesis Methods*. Revise & Resubmit.

Valentine, J, ..., **Forte, M**, ..., et al. A 'Many Analysts' Evaluation of Race as a Moderator of the Relationship Between Attributional Style and Depressive Symptoms in Youth in the United States. *American Psychologist*. Under Review.

Forte, M & Tipton, E. A Paradox in Meta-Analysis: How Decisions Change as Studies Are Added. Working Paper.

Presentations

A Paradox in Meta-Analysis: How Decisions Change as Studies are Added. Poster presented at the Annual Meeting of the Society for Research Synthesis Methods (SRSM). Madison, WI. July 2025

Meta-Analysis Reconceived from a Finite Population Sampling Perspective. Presented at the Annual Meeting of the Society for Research on Educational Effectiveness (SREE). Baltimore, MD. September 2024

Meta-Analysis Reconceived from a Finite Population Sampling Perspective. Presented at the Annual Meeting of the Society for Research Synthesis Methods (SRSM). Online. July 2024

Research Experience

Graduate Research Assistant, Statistics for Evidence-Based Policy and Practice (STEPP) Center, Institute for Policy Research, Northwestern University 2021-

Teaching Experience

Northwestern University, Department of Statistics and Data Science
Teaching Assistant

- STAT 302: Data Visualization 2023, 2024
- STAT 201: Introduction to Programming for Data Science 2022, 2024
- STAT 328: Causal Inference 2023
- STAT 353: Advanced Regression 2023, 2025

Graduate Assistant

- STAT 201: Introduction to Programming for Data Science 2025
- STAT 302: Data Visualization 2024, 2025

IES Grant: Randomized Control Trials (RCT) Summer Institute 2022, 2023, 2024

Northwestern University

Teaching Assistant

NSF Grant: Improving Evaluations of R&D in STEM Education Summer Institute 2023

Northwestern University

Teaching Assistant

Carnegie Mellon University, Department of Statistics and Data Science 2018-2019

Teaching Assistant

Professional/Industry Experience

Aptitive, Chicago, IL

2019-2021

Associate Consultant I – Senior Consultant I

- Designed, built, and maintained custom data warehouses and data migration platforms using tools such as Snowflake, Apache Airflow, MySQL, Postgres, and AWS
- Worked to grow internal data science horizontal practice through the development of marketing attribution frameworks using Markov Chains, demand forecasting models, natural language processing techniques to cluster client free text data, and other data science solution offerings

Professional Membership and Service

Society for Research on Educational Effectiveness (SREE) Student Member

Society for Research Synthesis Methodology (SRSM) Student Member

Department of Statistics and Data Science Admitted Student Day Volunteer

Department of Statistics and Data Science New Student Orientation Volunteer

References

Elizabeth Tipton

Professor of Statistics and Data Science; Professor of Education and Social Policy (by Courtesy);

IPR Fellow; Co-Director of the STEPP Center

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Larry V. Hedges

Board of Trustees Professor of Statistics and Data Science and Education and Social Policy;

Professor of Psychology; Professor of Medical Social Sciences; Co-Director of the STEPP

Center; IPR Fellow

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Arend Kuyper

Director Undergraduate Studies for Data Science; Associate Professor of Instruction

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