

MICHAEL J. ARMAH

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EDUCATION

NORTHWESTERN UNIVERSITY

Evanston, Illinois

PhD Candidate in the Department of Statistics and Data Science

• **Advisors:** Dr. Elizabeth Tipton and Dr. Larry Hedges

• **Areas of Emphasis:** Meta Analysis, Machine Learning, Applied Research

2022 - Present

UNIVERSITY OF NORTH CAROLINA

Chapel Hill, North Carolina

Double Major: B.S. Statistics and Analytics, B.A. Economics

Minor: Neuroscience

• **Areas of Emphasis:** Financial Analysis, Data Analytics, Statistical and Scientific Modelling

2021

CERTIFICATIONS

NORTHWESTERN UNIVERSITY KELLOGG SCHOOL OF MANAGEMENT

Evanston, IL

Certification in Management for PhDs

2026

WORK EXPERIENCE

NORTHWESTERN UNIVERSITY

Evanston, IL

Teaching Assistant

2023 - Present

- **Courses instructed:** Regression Analysis (STAT 350); Data Science with R sequence (STAT 301-1,2,3); Intro to Probability and Statistics (STAT 210)
- Deliver instruction in the form of office hours and discussion sessions and grade for 100+ students

RANDOMIZED CONTROL TRIALS (RCT) SUMMER INSTITUTE

Evanston, IL

Consultant

Summers of 2023, 2024, 2025, and 2026

- Provide researchers attending the annual workshop an introduction to the design, conduct, analysis and interpretation of large efficacy and effectiveness trials for the Institute of Education Sciences at Northwestern University
- Consult groups of interdisciplinary researchers on how to properly implement randomized trials, write a mock research proposal, and present their project to the NCER Commissioner, to receive a certificate of completion

NATIONAL SCIENCE FOUNDATION (NSF) SUMMER RESEARCH INSTITUTE

Evanston, IL

Instructional Staff

Summer 2024 and 2025

- Provide an introduction to the design and analysis of evaluation studies (small efficacy studies) to researchers new to academia as well as those with little statistical background
- Host lab sessions and oversee group projects that to allow participants the opportunity to practice the use of tools for evaluation design

WELLS FARGO

Charlotte, NC

Enterprise Risk Associate – Independent Testing and Validation

2021- 2022

- Reviewed and tested models in order to identify potential risks and/or gaps through statistical and non-statistical random sample analysis for various lines of business and report findings to management
- Participated in and provided consulting for internal stakeholders, lines of business, enterprise groups, and risk partners
- Resolved compliance matters; supplied strategic support to risk and control teams in execution of initiatives

WELLS FARGO

Charlotte, NC

Enterprise Risk and Development Program – Market and Counter Party Risk

2020

- Support Market and Counterparty Risk on projects and initiatives; worked with other Enterprise Risk groups and partners
- Executed strategic priorities, identified risks through trending analysis and reported findings to stakeholders

LEADERSHIP AND COMMUNITY INVOLVEMENT

STATISTICS FOR EVIDENCE-BASED POLICY AND PRACTICE (STEPP) CENTER

Evanston, IL

- Collaborate with Dr. Larry Hedges, Dr. Elizabeth Tipton and other statisticians to provide educational services, consultations, and share data analysis techniques primarily directed towards the advancement of policy research
- Adopt and provide support for research projects stemming both from members and non-members of the STEPP Center

BLACK GRADUATE STUDENT ASSOCIATION (BGSA) TREASURER

Evanston, IL

- Serving for 2+ years on the executive board and managing an annual budget of \$25,000+
- Organize events collaborate with other organizations to foster community for 150+ students across 9+ graduate schools

RELEVANT SKILLS AND INTERESTS

Technical Skills: Machine Learning, Artificial Intelligence, R, Python, PyTorch, Stata, SAS, JavaScript, SQL, Excel

Interests: PAWS Chicago, STEM Academy Basketball, UNC Club Handball, Theater, Traveling, Carolina Cars Club