

Mariam Arzumanyan (She/Her/Hers)

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EDUCATION

- 2016 - 2022** **Ph.D. in Economics, University of Illinois at Urbana-Champaign**
- Thesis: “Essays on Microeconomics”
 - Robert C. Demarest Memorial Teaching Award Recipient
- 2016 – 2019** **Master of Science in Economics, University of Illinois at Urbana-Champaign, (GPA 3.69)**
- 2013 – 2015** **Master’s Degree in Mathematics, Yerevan State University, (GPA 4.0, with honors)**
- 2009 – 2013** **Bachelor of Science in Mathematics, Yerevan State University, (GPA 3.9, with honors)**

EXPERIENCE

- 2016 - Present** **Graduate Researcher/RA, Department of Economics, University of Illinois at Urbana-Champaign**
- Conducted extensive data analysis, built datasets using advanced data cleaning and processing methods
 - Formulated research agenda to identify gender and racial differences in police use of force in NJ
 - Executed a state-of-the-art framework/machine learning models to extract patterns of discrimination
 - Presented research at departmental seminars and conferences to audiences ranging from 5 to 50+
 - Studied the effects of political polarization on voter turnout behavior with theoretical framework
- 2017 - Present** **Instructor/Lecturer/Teaching Assistant, University of Illinois at Urbana-Champaign**
- Designed my own course, prepared course material including experiments, lectures, exams, homework
 - Supervised 40+ students each semester in final projects, graded exams, and weekly assignments
 - Advised undergraduate students on career choices, research design, and extracurricular opportunities
 - Achieved excellent student evaluation scores (4.33-4.9/5), made the List of Teachers Ranked as Excellent
 - Received multiple teaching awards for outstanding ranking by graduate students
- 2018 - 2020** **Treasurer, Economics Graduate Student Organization (EGSO), University of Illinois at Urbana-Champaign**
- Co-Chaired and co-facilitated EGSO meetings to discuss Economics graduate students’ agenda
 - Collected and summarized graduate student survey data to identify and prioritize students’ needs
 - Advocated for graduate student interests on departmental funding policies and services
 - Co-facilitated “Women in Economics” meetings, planned activities, and managed events
- 2013-2016** **Economist Researcher, Central Bank of Armenia**
- Designed and executed research projects to study various sectors of the Armenian economy
 - Performed in-depth data analysis, background research, and proofreading for research projects
 - Coordinated administrative functions of economic research projects

CERTIFICATES

- Nov, 2020** **Machine Learning, Cornell University, eCornell**
- May, 2021** **Data Scientist with Python Track, DataCamp, Online Learning**
- Oct, 2021** **Data Analyst with R Track, DataCamp, Online Learning**
- Jan, 2016** **Macroeconomic Forecasting, IMFx, Online Learning**
- Sep, 2015** **Financial Programming and Policies, Part 1, IMFx, Online Learning**
- Dec, 2015** **Financial Programming and Policies, Part 2, IMFx, Online Learning**

PUBLICATIONS

- 2017** **“Costly Voting with Multiple Candidates Under Plurality Rule”,**
Games and Economics Behavior, co-author M.K. Polborn

WORK IN PROGRESS

2020-2022	“NJ Police Use of Force: When, Why, and How?” , Job Market Paper
2019-2020	“Strategic Voting as a Call for Representation”
2018-2019	“Explaining Political Polarization in Two-Party Elections with Utilitarian Approach”
2017-2019	“The Dynamic Effect of Extremist Parties on Voter Turnout: Utilitarian Approach”

SCHOLARSHIPS AND AWARDS

2019-2020	Excellence in Graduate Teaching, EGSO Award, UIUC
2018-2020	Teacher Ranked as Excellent, CITL, UIUC
2020	Robert C. Demarest Memorial Teaching Award, UIUC
2016	Distinguished Employee Award, Central Bank of Armenia
2016	Best Paper Award, Armenian Economic Association Annual Conference
2013-2015	Scholarship for Excellence in Graduate Studies, Yerevan State University
2013-2014	Republic of Armenia Scholarship for Excellence in Graduate Studies
2009-2013	Scholarship for Excellence in Undergraduate Studies, Yerevan State University
2009-2013	Republic of Armenia Scholarship for Excellence in Undergraduate Studies

SKILLS

Python Programming: NumPy, Pandas, Statsmodels APIs, Scikit-Learn, Matplotlib, Seaborn (Advanced)
R, PostgreSQL, MySQL, GitHub, Latex, Tableau, Stata, MATLAB, Microsoft Office Suite (Intermediate)
Languages: English (Advanced), Armenian (Native), Russian (Native)