

M. JAHANGIR ALAM

Visiting Assistant Professor
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RESEARCH AND TEACHING INTERESTS

Monetary Policy
Data Science
Applied Macroeconomics

EMPLOYMENT

Visiting Assistant Professor, Texas A&M University, 2023- present
Visiting Assistant Professor, Western Michigan University, 2021- 2023
Temporary Assistant Professor, Truman State University, 2019 - 2021
Post-Doctoral Fellow, HEC Montréal, Canada, 2017- 2019

ACADEMIC BACKGROUND

Doctor of Philosophy, Economics: University of Calgary, Canada, 2017
Master of Arts, Economics: University of Calgary, Canada, 2011
Bachelor of Social Science, Economics: Shah Jalal University of Science & Technology, Bangladesh, 2004

PUBLICATIONS

Capital Misallocation: Cyclicalities and Sources, March 2020, **Journal of Economic Dynamics and Control**, Vol. 112(C).
The Long-Run Effects of Monetary Policy: The Role of R&D Investment in Economic Growth, with Eskander Alvi, **Economic Modeling** (R&R)
Spatial Misallocation and Its Determinants in Canada, with Herb Emery, **Canadian Journal of Regional Science** (R&R)

SUBMITTED

Monetary Policy Shocks and Allocative Efficiency across U.S. Firms, with Eskander Alvi, **Journal of Economic Dynamics and Control**
Effect of Monetary Policy on Productivity: Frictions in High-Tech Firms, with Haydory Akbar Ahmed and Khandokar Istiak, **North American Journal of Economics and Finance**

WILL SUBMIT SOON

Price Dispersion and Trade Policy, with Nicolas Vincent
Misallocation and Trade Policy, with Huju Liu
Safe Asset Demand and International US Monetary Spillovers, with Matthew Schaffer and Rashed Sardar

WORK IN PROGRESS:

Differences in Firm Growth across Countries: Does it Explain GDP Differences?
Productivity Gains from International Trade: Does Firm Age Matter?

FINANCIAL ECONOMETRICS AND MACHINE LEARNING:

News Sentiment and Stock Price: A Deep Learning Approach, with Maksim Isakin (work in progress)
Identifying Macro Determinants of Natural Disaster: Applying Machine Learning Approach, with Pallab Mozumder (Work in progress)

APPLIED MICROECONOMICS:

Place-Based Scholarships: Treatment Effects from the Kalamazoo Promise, with W. Jason Beasley, **Applied Economics** (Submitted)

Children in the slums of Dhaka: Diarrhoea Prevalence and its Implications, 2011, Chapter 12 in **Environmental Valuation in South Asia**, M. N. Murty, P. Shyamsundar, and E. Haque (eds), New York: Cambridge University Press, Vol. 2, PP. 276-305

NON-CATEGORY:

Applying Data Synthesis for Longitudinal Business Data across Three Countries, with Benoit Dostie, Jörg Drechsler, Lars Vilhuber, August 2020, **STATISTICS IN TRANSITION new series**, 21(3): 223-247.

TEACHING EXPERIENCE

- **Work in progress:** Adapting AI in Education: Enhancing Critical Thinking through Personalized Teaching Materials
- **Certified Higher Education Peer Reviewer**, Quality Matters 2021-Present

Visiting Assistant Professor, Texas A&M University 2023-Present

- Financial Econometrics and Data Analysis (MA), Data Science for Economic and Social Issues, Macroeconomic Theory, and Industrial Organization

Visiting Assistant Professor, Western Michigan University 2021-2023

- Monetary Policy (PhD), Advanced Macroeconomics (MA), Economic Growth and Development, Intermediate Macroeconomics, and Principles of Macroeconomics and Microeconomics

Temporary Assistant Professor, Truman State University 2019 - 2021

- Independent Studies: Resource Misallocation, Intermediate Macroeconomics, Economic Growth and Development, Mathematical Economics, Econometrics, Cost-Benefit Analysis, Environmental and Natural Resources Economics, Principles of Macroeconomics, Principles of Microeconomics, and Introduction to Economics

Part-time Lecturer, HEC Montréal, Canada 2019 - 2019

- Macroeconomic Analysis (Principles of Macroeconomics)

PRESENTATIONS

- 2023 Texas A&M University (College Station, USA); Western Michigan University (Kalamazoo, USA)
- 2022 Cleveland State University (Cleveland, USA); Western Michigan University (Kalamazoo, USA)
- 2021 Western Michigan University (Kalamazoo, USA)
- 2019 Statistics Canada (Ottawa, Canada); Statistics Canada (Ottawa, Canada)
- 2018 Bank of Canada (Ottawa, Canada); Canada Mortgage and Housing Corporation (Ottawa, Canada); Carleton University; HEC Montréal (Montréal, Canada)
- 2017 Statistics Canada (Ottawa, Canada)

CONFERENCE PRESENTATIONS

- 2023 CEA Annual Meeting, Midwest Economic Association Annual Meeting (Cleveland, USA)
- 2022 Northeast Ohio Workshop Program (Federal Reserve Bank of Cleveland, USA); Southern Economic Association Conference (Fort Lauderdale, USA); Midwest Economic Association Annual Meeting (Minneapolis, USA); CEA Annual Meeting (Ottawa, Canada)
- 2021 Virtual WEAI Annual Conference; CEA Annual Meeting (Vancouver, Canada)
- 2020 Eastern Economic Association (EEA) Conference (Boston, USA)
- 2019 Comparative Analysis of Enterprise Data (CAED) Conference (Michigan, USA); CEA Annual Meeting (Banff, Canada)
- 2018 SEA Annual Conference (Washington, DC, USA); Canadian Research Data Centre Network (CRDCN) National Conference (Hamilton, Canada); CEA Annual Meeting (Montréal, Canada); WEAI Annual Conference (Vancouver, Canada)
- 2017 CEA Annual Meeting (Nova Scotia, Canada); WEAI Annual Conference (San Diego, USA)

- 2015 CEA Annual Meeting (Toronto, Canada)
- 2011 EAERE Conference (Rome, Italy)

AWARDS

- South Asian Network for Development and Environmental Economics (SANDEE) Research Grant, 2006; two-year operating research grant – applied as an independent researcher.
- Arthur J.E. Child Memorial Bursary in Economics, University of Calgary, 2016
- Graduate Bursary Award, University of Calgary, 2015
- Economics Society of Calgary Graduate Scholarship, University of Calgary, 2010

PROFESSIONAL DEVELOPMENT

- **COMPLETED ONLINE TEACHING CERTIFICATION**
 - Teaching Online-An Introduction to Online Delivery (TOL), Quality Matters (QM), 2020
 - Applying the Quality Matters Rubric (APPQMR), Quality Matters (QM), 2021
 - Peer Reviewer Course (PRC), Quality Matters (QM), 2021
- Machine Learning with Macroeconomics and Microeconomics Applications, Center for Monetary and Financial Economics Workshop, Carleton University, Canada, 2018
- Synthetic Longitudinal Business Data International User Seminar, National Academy of Sciences, Washington, DC, USA, 2017
- Instructional Skills Workshop (ISW), University of Calgary, Canada, 2013
- EAPG Advanced Communications Seminar, University of Calgary, Canada, 2011

PROFESSIONAL AND COMMUNITY LEADERSHIP

- Advisor, Truman Economics Club, Truman State University, USA, 2021
- President, Economics Graduate Association (EGA), University of Calgary, Canada, 2013
- Undergraduate Coordinator, BRAC University, Bangladesh, 2008 – 2010

GENERAL SKILLS

- Time Series and Causal Modelling; Impact Evaluation; Statistical Analytics
- Classification; Data Visualization; Machine Learning; Deep Learning

TECHNICAL SKILLS

- **Programming Language:** R; Python; MATLAB; Mathematica
- **Statistical Software:** STATA; SAS
- **Data Visualization:** Power BI
- **Cloud-Based Tools:** Azure Portal; Databricks
- **Database/Server:** SQL; GitHub
- **Operating System:** MacOS; Windows

CERTIFICATES

- Deep Learning: Getting Started
- Machine Learning and AI Foundation: Classification Modeling
- Machine Learning with Python: Foundations
- SQL for Data Analysis

CITIZENSHIP: Canadian citizen

REFERENCES

Dr. Eskander Alvi
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