

Mohammad Rezoanul Hoque

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About Me

PhD candidate in Financial Economics with research spanning corporate finance and empirical asset pricing, alongside the application of machine learning to firm behavior, capital allocation, and bank risk. I study how information becomes prices and discipline in corporate and credit markets: who knows what, who acts on it, and which institutions filter it — using large-scale event data and, increasingly, large language models as measurement instruments. I value careful, reproducible empirical work and enjoy turning large financial, census, and survey datasets into clear, honest evidence. Over five years of hands-on experience in econometric modeling, data science, and visualization, with a continued eagerness to learn from data and from collaborators. Portfolio: rezoanhoque.github.io [🔗](#).

Technical Skills

Data & Visualization	NumPy, Pandas, Matplotlib, Seaborn, Plotly
ML	TensorFlow, PyTorch, XGBoost, LightGBM
Numerical & Simulation	Stata, RStudio, Python, Matlab, SQL, GIS
GRE	Q:168; V:163; 331/340

Education

- **PhD in Financial Economics**, Louisiana State University of New Orleans, LA, USA Expected 2029
- **Masters in Computer Science (STEM)**, Louisiana State University of New Orleans, LA, USA 2029
- **Masters in Finance**, Louisiana State University of New Orleans, LA, USA 2026
- **Masters in Applied Economics (STEM)**, Texas Tech University, Lubbock, USA 2024
- **BSc and MSc in Economics**, IIUM, Malaysia 2014/2017

Honors and Awards

- Graduate Student Assistantship, Louisiana State University of New Orleans 2024
- 1st Prize, USDA-AAEA Data Visualization Challenge, AAEA Annual Conference 2023
- Distinguished Graduate Student Assistantship, Texas Tech University 2022

Teaching Experience

- **Instructor and Teaching Associate**, Louisiana State University of New Orleans June 2026–Present
Instructor of record for Investment (3 credit hours).
- **Graduate Teaching Assistant**, Texas Tech University August 2023–2024
Teaching assistant for Macroeconomics and Microeconomics.

Research Experience

- **Graduate Research Assistant**, Division of Business and Economic Research (DBER), Louisiana State University of New Orleans, LA 2026
Current research focuses on the ongoing transition of U.S. tourism, database dynamics, and impact analysis using big data.
- **Graduate Research Assistant**, Texas Tech University, Lubbock, USA 2024
Research focused on the ongoing transition of U.S. agriculture, the dynamics of consumer tastes, growth of dollar stores, and event analysis using big data.
- **Research Fellow**, Research and Policy Integration for Development 2023
Responsible for writing annual project report and brief.
- **Senior Research Associate**, Policy Research Institute Bangladesh 2022
Responsible for writing annual project report and brief for the PRI-Kivu project on Mobilizing Tax in Bangladesh.
- **Monitoring and Evaluation Officer**, WorldFish Bangladesh 2022
Responsible for designing and implementing the Monitoring and Evaluation (M&E) activities of the project

Artemia4Bangladesh; assisted in preparing quarterly and annual reports on project progress and monitoring activities.

- **Research Associate (Contractual)**, Bangladesh Institute of Development Studies (BIDS) 2018
Worked under the divisional quota of the Industrial Division at BIDS. Prepared proposals, reports, financial plans, and oversaw financial budgeting and forecasting. Conducted data analysis using Stata and R. Assisted executive management with financial advice for projects.
- **Research Assistant**, University of Malaya, Malaysia February 2015
Conducted research using survey data.

Job Market Paper

- **Attention Rises, Recommendations Fall.** (M Rezoanul Hoque, MK Hassan, JA Pérez Amuedo, Reza Huston). *Accepted for presentation at the FMA 2026 Annual Meeting.*

Publications

- Nonfarm activity reduces migration: evidence from Bangladesh. *Development Policy Review*, 2023. (K Iqbal, MNF Pabon, MR Hoque, NA Shashi)

Working Papers

- Hidden Duration Losses and Bank Crash Risk: Evidence from the 2022 UK Gilt Crisis. (M Rezoanul Hoque, MK Hassan, JA Pérez Amuedo, MM Ferdaus). *Revise & resubmit, Quarterly Review of Economics and Finance.*
- Do Large Language Models Allocate Capital More in Line with Q-Theory Than Managers? (MR Hoque, MM Ferdaus, MK Hassan). *Under review, Finance Research Letters.*
- Information Conflict and CEO Insider. *Accepted for presentation at the SFA 2026 Annual Meeting.*
- The Limits of Flexibility: A Controlled Multi-Domain Study of Reinforcement Learning in Finance. (MR Hoque, MM Ferdaus, MK Hassan). *Under review, International Review of Financial Analysis.*
- Wealth inequality and utility: Effect evaluation of redistribution and consumption morals using macro-econophysical coupled approach. *arXiv preprint*, 2024. (Takeshi Kato, Y Tanabe, Mohammad Rezoanul Hoque)
- Bangladesh green industries diagnostic. *Working Paper*, 2024. (Abul Quasem Al-Amin, Mohammad Rezoanul Hoque)

Conference Presentations

- **Southwestern Finance Association (SWFA) 65th Annual Meeting, March 25–27, 2026:** *Hidden Duration Losses and Bank Crash Risk: Evidence from the 2022 UK Gilt Crisis.* (M Rezoanul Hoque, MK Hassan, JA Pérez Amuedo, MM Ferdaus)
- **Federation of Business Disciplines (SWDSI) Annual Conference, March 2026:** *The Limits of Flexibility: A Controlled Multi-Domain Study of Reinforcement Learning in Finance.* (MR Hoque, MM Ferdaus, MK Hassan)
- **Federation of Business Disciplines, Southwest (SWDSI) Annual Conference, March 19–22:** *Machine Learning-Based Optimization of Capital Structure Decisions.* (Mohammad Rezoanul Hoque)
- **Southern Economics Association Meetings, November 23, 2024:** *The Impact of Improved Fuel Efficiency on Greenhouse Gas Emissions from International Transportation.* (Misak Avetisyan, Mohammad Rezoanul Hoque)
- **BIDS Conference, December 1, 2021:** *Have Clustered SMEs Performed Better than Non-clustered SMEs during the Pandemic in Bangladesh?* (Mohammad Rezoanul Hoque)
- **World Bank Conference, November 8, 2021:** *Local Nonfarm Opportunities and Migration Decisions: Evidence from Bangladesh.* (Mohammad Rezoanul Hoque)

Selected Research Projects

- **IGC Bangladesh - Bangladesh green industries diagnostic:** Conducted analysis on Bangladeshi industries: 'Bangladesh Green Industries Diagnostic' tool to investigate the root causes of the country's under performance in promoting inclusive green growth.
- **USDA - Food Retailers and Their Composition in USA:** Conducted analysis on food retail establishments in the USA, using Dollar store establishment data to find trends in growth.
- **WorldFish - Baseline Survey Report of Artemia for Bangladesh Project:** Conducted a baseline survey of 400 salt farmers in coastal Bangladesh; report published in the WorldFish annual report.
- **Asian Development Bank (ADB) - Study on Mobile Financial Services (MFS) & Microfinance Institutes (MFI):** Monitored and evaluated census data and surveys funded by ADB, focusing on MFS/MFI; contributed to report writing and questionnaire design.
- **ADB - Light Engineering & Electronics Sector Survey for Labor Market Study:** Monitored surveys for SEIP project funded by ADB, evaluating data for labor market study.
- **BIDS - Covid-19 and Custom/NBR Data:** Prepared datasets for regression analysis and trend analysis for a paper on global value chain resilience during the pandemic.
- **BIDS - Covid-19 and SME:** Provided geospatial analysis of SME data and created maps using ggplot2 and tmap packages.
- **Planning Commission - Skill and Education:** Analyzed education sector data and assisted in writing background papers for the 8th Five Year Plan on skill and education in Bangladesh.

Poster and Press Coverage

- **The Business Standard, 2026:** *Bangladesh's defaulter problem in the 2026 race.* (Op-Ed/Press Coverage)
- **TRT World, 2026:** *After the revolution, Bangladesh's youth face democracy's hardest test.* (Op-Ed/Press Coverage)
- **Poster Presentation:** *Quantifying the Impact of Global Supply Chain Shock on Food Security Patterns: Insights from A Structural General Equilibrium Trade Model Using GTAP Framework.* (Mohammad Rezoanul Hoque, Misak Avetisyan)

Training Presentation

- **Guest Speaker: US State Department's Foreign Service Institute** Remittance in Nepal, Sri Lanka, and Bangladesh - Delivered a presentation to the Foreign Service Institute's South and Central Asia Area Studies Program 2024
- **Guest Speaker: US State Department's Foreign Service Institute** Economy, Infrastructure, and Energy in Bangladesh - Discussed key aspects of Bangladesh's economy, infrastructure development, and energy sector dynamics 2023

References

- **Dr. Walter J. Lane**
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- **Dr. M. Kabir Hassan**
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