

MOHAMMAD REZOANUL HOQUE

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ABOUT ME

Dedicated and skilled researcher with more than 5 years of experience in data analysis, econometric modeling, and quantitative research methods. Proficient in economics, statistics, and econometrics, with a proven ability to synthesize and derive insights from complex quantitative information. Extensive expertise in analyzing population and economic census data, survey data (e.g., HIES, LFS), geospatial mapping, and data visualization. Committed to leveraging advanced analytical techniques to address pressing challenges in food and resource economics, environmental economics, and sustainable development.

TECHNICAL SKILLS

Data management, AI, data mining, data science research methods, pattern and trend identification, visualisation of data insights.

Numerical	Stata, R-studio, Python, Matlab
Typesetting	LaTeX
Simulation	GTAP, GEMPACK and ArcGIS
Databases	MySQL
Survey	CAPI, Qualtrics, ODK
GRE Score	Q:168, V:163, 331/340

EDUCATION

Texas Tech University	<i>2023-2027</i>
PhD Student in Economics	
Texas Tech University	<i>2022-2024</i>
Masters in Ag. and Applied Economics (STEM OPT)	
Universiti Islam Antarabangsa Malaysia	<i>2018</i>
Masters in Economics	
Universiti Islam Antarabangsa Malaysia	<i>2014</i>
BSc in Economics	

HONORS AND AWARDS

1st prize in USDA AMS-AAEA GSS Data Visualization Challenge	<i>2023</i>
Distinguished Graduate Student Assistantship Recipient of Texas Tech	<i>2022</i>

RESEARCH EXPERIENCE

Texas Tech University	August, 2022 to August 2023
<i>Graduate Research Assistant</i>	

- My research focused on the on-going transition of U.S. agriculture: the dynamics of consumers' tastes, growth of dollar stores and event analysis using big data.

WorldFish Bangladesh	January, 2022 to June 2022
<i>Monitoring and Evaluation Officer</i>	

- Worked at the WorldFish Bangladesh under the Artemia for Bangladesh. I am responsible for designing and implementing the Monitoring and Evaluation activities of the project Artemia4Bangladesh; assisting the Team leader in preparing Quarterly and Annual reports on project progress and monitoring the project activities on a regular basis.

Bangladesh Institute of Development Studies, BIDS.

November, 2018 to January 2022

Research Associate (Contractual)

- Worked under the divisional quota of Industrial Division at BIDS . My task includes preparing proposals, writing reports, financial plan and oversee financial budgeting and forecasting and data analysis. I am experienced in using statistical tools like Stata and R. Also, I was responsible for the budget planning, and supports the executive management team by offering insights and financial advice for the projects.

TEACHING EXPERIENCE

Texas Tech University

August, 2023 to Present

Graduate Teaching Assistant

- Teaching assistant of Economic Data Analysis, Macroeconomics and Microeconomics.

PAPER

- **Nonfarm activity reduces migration: evidence from Bangladesh**

- Authors: Kazi Iqbal, Md Nahid Ferdous Pabon, Mohammad Rezoanul Hoque, Nahian Azad Shashi; Published in Development Policy Review

- **Wealth inequality and utility: Effect evaluation of redistribution and consumption morals using macro-econophysical coupled approach**

- Authors: Takeshi Kato, Mohammad Rezoanul Hoque; In Press

- **Bangladesh Green Industries Diagnostic**

- Authors: Mohammad Rezoanul Hoque, Abul Quasem Al-Amin; In Press Accepted in International Growth Center

- **Evaluating physical determinants of morbidity among Rohingya refugee pregnant and lactating women in Bangladesh: A cross-sectional study**

- Authors: Abeer Mohammad Hossain; Mohammad Rezoanul Hoque; Abu Ansar Md Rizwan; A B M Alauddin Chowdhury; In Press

- **Assessing the impacts of supply chain shocks on North American (USA, Canada, Mexico) agricultural markets and food security**

- Authors: Mohammad Rezoanul Hoque, Misak G. Avetisyan, Mohammad Rezoanul Hoque, Abul Quasem Al-Amin, Reymark Tolop Alcantara; In Press

- **An Investigation into the Impact of Air Travelers' Willingness to Pay for Carbon Offset: Reality and Barriers**

- Authors: Ammar Alrefae, PhD; Waleed Afandi, PhD; Mohammed Rezoanul Hoque; Md. Mahmudul Alam, PhD; In Press

- **Shared leadership and voice behavior in higher education institutions: Mediating effects of psychological capital and the moderating role of organizational identification**

- Authors: Ammar Alrefae, PhD, Waleed Afandi, PhD, Mohammed Rezoanul Hoque, Sarker Md Nazirul Islam, Md. Mahmudul Alam, PhD; In Press

- **Islamic Bank Stability and Management Performance: A Cross Country Analysis**

- Faaza Fakhrunnas, Younes Boubechtoula, Katiya Nahda, Mohammad Rezoanul Hoque. Accepted in Economic Journal of Emerging Markets

CONFERENCE AND POSTER PRESENTATION

Conference Feb 28, 2024 USA consumers perception and preferences for bio based plastic shopping bags

by Reymark Tolop Alcantara; Carpio Carlos, Hudson Darren, Wang Chenggang, Ghose Tanmoy Kumar, Shin Myat Naing, Mohammad Rezoanul Hoque

Paper presented at the Southern Agricultural Economics Association (SAEA) 56th Annual Meeting 2024.

Poster Sep 28, 2023 Impacts of supply chain shocks on food security patterns; USA, Canada and Mexico Unrevealing the resilience

by Mohammad Rezoanul Hoque

Poster presented at the Texas Tech University Davis College 2023.

Conference Dec 1, 2021 Have Clustered SMEs Performed Better than Non-clustered SMEs during the Pandemic in Bangladesh? Evidence from Three Rounds of Worker-Linked Enterprise Surveys

by Kazi Iqbal, Tanveer Mahmood, and Mohammad Rezoanul Hoque

Presented at the annual Bangladesh Institute of Development Studies (BIDS) Conference on Development (ABCD).

Conference Oct 6, 2021 Local Nonfarm Opportunities and Migration Decisions: Evidence from Bangladesh

by Dr. Kazi Iqbal, Md. Nahid Ferdous Pabon, Mohammad Rezoanul Hoque and Nahian Azad Shashi

Presented at the Bangladesh Institute of Development Studies (BIDS) seminar 2021-2022.

Conference June 4, 2021 Is there endogenous long-run relationship between culture, innovation and economic growth? Evidence from selected countries

by Mohammad Rezoanul Hoque

Presented at the 4th Graduate Conference in the Ibn Haldun University, Istanbul Turkey.

Conference March 30, 2019 Nexus between Public Health Expenditure and Income Empirical Evidence from Bangladesh

by Mohammad Rezoanul Hoque

Presented at the 6th International Conference on Natural Science and Technology at Asian University For Women.

PROJECTS

- **Food retailers and their composition in USA**

- Conducted analysis on the food retailing establishments of USA based on the NICES code. Used the Dollar stores establishment data to find the trend of their growth.

- **Baseline survey report of Artemia for Bangladesh Project**

- Conducted a baseline survey report in WorldFish Bangladesh on the Artemia for Bangladesh Project. Surveyed 400 salt farmers around coastal area of Bangladesh. The report were published in the WorldFish annual report.

- **Study on Mobile Financial Service (MFS) and Micro Finance Institute (MFI)**

- Monitoring and evaluation of the country-wide census, community survey and 150 villages household survey. The project funded by ADB and project is leading by Dr. Shahid Khandker, Dr. Minhaj Mahmud. I am heavily on census data monitoring, questionnaires evaluation, data analysis and writing report using survey data and assisted to design survey questionnaires.

- **Light engineering and electronics sector survey for labor market study for SEIP**

- Monitoring and evaluation of the country-wide light engineering and electronic sector survey for the SEIP project funded by ADB. Involved heavily on data monitoring, questionnaires evaluation, data analysis and writing report using survey data and assisted to design survey questionnaires for the project SEIP.

- **Covid-19 and Custom-NBR data**

- Prepared the dataset for regression and further trend analysis for the academic paper titled as *The Resilience of Global Value Chains During the Pandemic: Evidence from Bangladesh* by Reshad Ahsan and Kazi Iqbal. Dataset comprises of daily export import records with more than 10 million observations.

- **Covid-19 and International Arrival Data**

- Provided trend analysis from the international arrival data. Created geospatial maps using ggplot2, tmap and sf package.

- **Covid-19 and SME**

- Provided analysis from Economic Census data. Created geospatial maps at the union level of Bangladesh, using ggplot2, tmap and sf package.

- **Skill and Education**

- Provided detailed analysis of the education sector from various survey data. Assisted in writing the Background paper of the *8th Five Year Plan on Skill and Education*.

- **Inception of Labor market study**

- Contributed in writing the inception report, data analysis using LFS data and assisted to design survey questionnaires for the project SEIP.

- **Indian Cattle Population**

- Assisted **Dr. Kazi Ali Toufique** with the data analysis and estimation from Indian Agricultural Census for his paper titled *Cattle population in India: Do Institutions Matter?* submitted to Journal of Economic and Political Weekly.

- **Clusters and Non-Clusters Based SME**

- Contributed writing a chapter in a report titled *A Comparative Study on Clusters and Non-Clusters Based SME Development in Bangladesh* for the SME Foundation Bangladesh, the project director was **Dr. Kazi Ali Toufique**.

LANGUAGE SKILLS

-Fluent in English, Bengali, French (Basic) and Malay.

PROFESSIONAL AFFILIATIONS

-AEA, AAFA, SAEA

REFERENCES

- Dr. Minhaj Mahmud
Senior Economist
Asian Development Bank, Manila, Philippines
E-mail: mmahmud@adb.org
Website: <https://blogs.adb.org/author/minhaj-mahmud>

- Dr. Kazi Iqbal
Research Director
Bangladesh Institute of Development Studies (BIDS)
E-mail: kiqbal@bids.org.bd
Website: <https://bids.org.bd/page/researchers/?rid=43>

- Misak G. Avetisyan, Ph.D
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