

MOHAMMAD REZOANUL HOQUE

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ABOUT ME

Dedicated researcher with more than 5 years of experience in analysing data and econometric modelling. Proficient knowledge in economics, statistics, econometrics, with in-depth skill to synthesize quantitative information. Proficient in analysing population and economic census data, survey (e.g. HIES, LFS) data, geospatial mapping and data visualisation.

TECHNICAL SKILLS

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

Numerical Analysis & Simulation

Stata, R-studio, Python, Matlab, SQL and GIS

Typesetting & Illustration

LaTeX

EDUCATION

Texas Tech University

2022-2027

PhD student in Economics

International Islamic University Malaysia IIUM

2018

Masters in Economics (Coursework and Research)

International Islamic University Malaysia IIUM

2014

BSc in Economics

HONORS AND AWARDS

1st prize in USDA AMS-AAEA GSS Data Visualization Challenge

2023

Distinguished Graduate Student Assistantship Recipient of Texas Tech

2022

RESEARCH EXPERIENCE

Texas Tech University

August, 2022 to Present

Graduate Research Assistant

- My current research focuses 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

Monitoring and Evaluation Officer

- 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 offerering insights and financial advice for the projects.

University of Malaya, Malaysia
Research Assistant

February, 2015 to June 2015

- My role as a research assistant was to conduct research based on the survey data.

TEACHING EXPERIENCE

Texas Tech University
Graduate Teaching Assistant

August, 2023 to Present

- Teaching assistant of Macroeconomics and Microeconomics.

IMAS, IGCSE School, Putrajaya, Malaysia
Teaching Faculty: Economics

January 2018 to December 2018

- Courses Taught : A - level and O - level Economics.

SOLS 247 Sdn Bhd, Malaysia

January 2017 to December 2017

International State Facilitator under the Ministry of Finance funded Bi1M program

- My role at SOLS 24/7 was to teach, train, coordinate, track and report the updates of the project from my assigned state to the SOLS 24/7 Malaysia HQ.

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

- 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**.

- **MSc Thesis**

- This research sought to measure tourism industry's relative efficiency score across countries at a macroeconomic level using DEA. A total of 124 countries were studied for the year of 2013 and 2015.

PAPER

- **Local Nonfarm Opportunities and Migration: Evidence from Bangladesh**

- by Dr. Kazi Iqbal, Md. Nahid Ferdous Pabon, Mohammad Rezoanul Hoque and Nahian Azad Shashi. Accepted in Development Policy Review

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

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

CONFERENCE PAPER

- **International 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* Kazi Iqbal, Tanveer Mahmood, and Mohammad Rezoanul Hoque

- Presented at the annual Bangladesh Institute of Development Studies (BIDS) Conference on Development (ABCD) on the occasion of 50 years of Bangladesh, December 1-3, 2021 at the Lakeshore Hotel, Dhaka, Bangladesh.

International 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) a seminar as part of the organization's series of BIDS Fortnightly Seminar 2021-2022 on October 6, 2021 at 2:30 pm. by Dr. Kazi Iqbal, Senior Research Fellow of BIDS.

International Conference

June 4, 2021

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

- Presented at the 4th Graduate Conference on Social Sciences, Humanities, Education, and Management (IHU GradCon2021) in the Ibn Haldun University, Istanbul Turkey.

International Conference

March 29 – 30, 2019

Nexus between Public Health Expenditure and Income; Empirical Evidence from Bangladesh

- Presented at the 6th International Conference on Natural Science and Technology (ICNST 2019) at Asian University For Women.

RESEARCH INTERESTS

- Primary: Microeconomics, Development Economics, Econometrics.
- Secondary: Agribusiness, Financial Economics, Machine learning.

RELEVANT COURSEWORKS

- Microeconomics, Macroeconomics, Advanced Microeconomics, Advanced Macroeconomics,
- Math, Calculus, Statistics, Econometrics, Development Economics, Environmental Economics.

LANGUAGE SKILLS

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

PROFESSIONAL AFFILIATIONS

-Member of IIUM English Debate Association and Malaysian Debate Association

REFERENCES

- Dr. Kazi Iqbal
Senior Research Fellow
Bangladesh Institute of Development Studies (BIDS)
E-mail: kiqbal@bids.org.bd
Website: <https://bids.org.bd/page/researchers/?rid=43>
- Dr. Minhaj Mahmud
Senior Economist
Asian Development Bank, Manila, Philippines
E-mail: minhaj@bids.org.bd
Website: <https://events.development.asia/author/minhaj-mahmud>