MD ZABID IQBAL

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PROFESSIONAL AND ACADEMIC OVERVIEW

- **Ph.D. in Economics from Iowa State University**, Iowa, USA.

- An economist and policy analyst with a well-versed grasp of applied economic theory, applied econometrics, agricultural, environmental, and development economics issues, quantitative modeling, and data analytics.

- Over 12 years of experience in end-to-end research/investigation: collect, organize, analyze and interpret large volumes of data and information in a succinct and organized manner to a diverse group with meaningful narratives and to recommend policies and implementation strategies.

- Experience with report writing and technical requirements analysis, data modeling (e.g., machine learning, predictive and forecasting), supply and demand modeling.

- Experienced in critical thinking and analytical skills with the ability to identify and implement creative and effective solutions to complex economic, social, and business challenges.

- A reliable professional with a track record of meeting deadlines by balancing among competing priorities in a fast-paced environment with a high level of accuracy and attention to detail, eager to embrace new skills and technologies.

- A quick learner with a constant desire to improve by learning the latest methods, tools, and techniques.

- **Expert** in using statistical modeling software such as R, R Markdown, STATA, SAS, Excel, and SPSS to research and prepare own analyses.

- **Proficient** in using Microsoft Word, Advanced Microsoft Excel (Pivot tables, V-lookup), Tableau, SQL, VBA, MS Access, PowerPoint, and Social Media Analytics.

- **Unilingual**-English Essential

EDUCATION

Iowa State University, Ames, Iowa, USA
PhD in Economics   2017
University of Dhaka, Dhaka, Bangladesh
M.S.S in Economics   2007
University of Dhaka, Dhaka, Bangladesh
B.S.S in Economics   2006

EMPLOYMENT HISTORY

Senior Analyst, Canada Revenue Agency (CRA)   **December 2022 to Current**
Government of Canada

- Extract large amount of data (e.g., micro/administrative) from CRA's internal data sources and manage (e.g., edit, process, data matching, check quality) them using advanced programming languages/software such as Structured Query Language (SQL), SAS, and Excel.

- Analyze data using statistical, econometric, and applied economic models

- Document findings from data and produce metadata

- Write reports that are analyzing, interpreting and integrating quantitative data from a variety of sources.

- Prepare and present data findings to higher management.

Senior Performance Analyst, BC Public Service   **April 2022 to December 2022**
Ministry of Social Development and Poverty Reduction, Government of BC, Canada

- Extracted data (e.g., attributes of income assistance applications, over borrowing) using SQL developer and R from the ministry's internal database.

- Worked on survey data (quality consultation survey, focused review/reconsideration application) and estimated them using statistical software R
- Collaborated and worked with partners and stakeholders to achieve program/project objectives.
- Prepared reports and presentations and provided recommendations for senior management.

Sessional Lecturer and Postdoctoral Teaching Fellow, Kelowna, BC   **September 2020 to Current**
Economics, University of British Columbia (UBC), Okanagan Campus

- Courses: Money and Banking, Introduction to Mathematical Economics, Economics of the Environment, Natural Resource Economics

Postdoctoral Research Fellow (Research Analyst), Kelowna, BC   **June 2019 to August 2021**
Economics, University of British Columbia (UBC), Okanagan Campus

- Provided policy recommendation on climate change related project funding options to policymakers
- Compiled and analyzed 'Micro-Data' using R, STATA, MySQL, and MS Excel.
- Developed statistical and applied econometric models (e.g., hybrid, logistic) to estimate Okanagan residents' payment to the conservation fund, which would be used to protect and enhance the local environment.

Research Fellow and Associate (Research Economist and Policy Analyst), Bangladesh   **March 2017-April 2019**
Bangladesh Institute of Development Studies (BIDS)– One of the top 100 international development think tanks

- Progressed from mid-level to senior-level researcher within the quickest possible time in a renowned and fast-paced organization where critical and analytical thinking and social intelligence are valued highly.
- Provided policy recommendations on several socioeconomic issues (e.g., household welfare, poverty, social safety nets, food security, child labor, renewable and nonrenewable energy, electricity use) to government officials and policymakers.
- Analyzed household survey data using statistical/data management software R, STATA, and MS Excel as well as using advanced statistical/ applied econometric models (e.g., machine learning, covariate balancing propensity score, kernel propensity score matching, logit, probit, time series, and ordinary least squares regressions. Prepared reports after analyzing the data.
- Managed a team of 4 researchers and 40 surveyors to implement several research projects on renewable energy, social safety nets, sustainable economic development, national budget, price risks, climate change, and macroeconomic issues, which involved meeting tight deadlines with changing priorities.
- Led and worked on multiple projects for different organizations including The **World Bank,** The International Food Policy Research Institute (IFPRI), and World Food Programme (WFP).

Graduate Research Assistant, Ames, Iowa, USA   **January 2013 to December 2016**
Department of Economics, Iowa State University

- Compiled, organized, and analyzed country-specific 'Country-level Data' using STATA, R, and MS Excel relating to climate change, global agricultural crop production, land use, input prices, energy prices, weather.
- Developed statistical and applied econometric models to analyze data.
- Wrote reports and presented study findings to guide strategic and operational policy development.
- Worked on multiple projects for Resource for the Future (RFF) and Iowa State Bioenergy Association.

Graduate Teaching Assistant (TA), Ames, Iowa, USA   **August 2010 to December 2012**
Department of Economics, Iowa State University

- Arranged tutorial group sessions incorporating adult learners' needs, provided one-to-one feedback for a class of more than 40 students from various disciplines, arranged and supervised exams. Graded assignments, mid-terms, and final exams papers in a highly coherent way within a strict deadline.

Research Associate (Economist and Data Analyst), Dhaka, Bangladesh   September 2007 to August 2010

BIDS and InM – One of the top 100 international development think tanks

- Managed administrative/household survey data using STATA and prepared reports after analyzing the data.
- Reviewed policy documents and guidelines to suggest coherent policy directions on renewable and non-renewable energy resources, climate changes, trade, investment, and macroeconomic issues by identifying the inconsistencies and scope of improvement.

TRAINING/WORKSHOPS

- Managing Big Data with MySQL by Duke University on Coursera. Certificate earned on February 18, 2016.
- R Programming by Johns Hopkins University on Coursera. Certificate earned on October 31, 2015.
- Getting and Cleaning Data using R by Johns Hopkins University. Certificate earned on October 31, 2015.

RESEARCH PUBLICATIONS

Academic Publications

1. Iqbal M.Z. and Ahmed N. 2021. The Impact of Rural Electrification on Life-line Consumers: Empirical Evidence from Bangladesh, **The Journal of Developing Areas; Nashville, Vol. 55, Iss. 4, (Fall 2021): 355-375.**

2. Ahmed Nazneen and Iqbal, Md Zabid (2020). Benefits of Improved Cook Stoves: Evidence from Rural Bangladesh, **Bangladesh Development Studies, Vol. XLI, December 2018, No. 4**

3. Iqbal, Md Zabid (2019). The Effects of a Large Rice Price Increase on House-hold Welfare and Poverty in Rural Bangladesh, **Economics Bulletin, Vol 39 (1), 295-309** https://www.accessecon.com/pubs/eb/default.aspx?topic= Abstract&PaperID=EB-18-00829

4. Iqbal, Md Zabid & Babcock, Bruce A. (2018).Global Growing Area Elasticities of Key Agricultural Crops Estimated Using Dynamic Heterogeneous Panel Methods, **Agricultural Economics, Vol 49 (6)** https://onlinelibrary.wiley.com/doi/ epdf/10.1111/agec.12452

5. Rahman, Md. A., Iqbal Md Zabid, & A. U. Husna (2009). Estimating Import Demand Function of Bangladesh: A Time Series Analysis, **The Indian Journal of Economics, Vol XC, No. 357)**

Articles in the Newspaper

1. https://thefinancialexpress.com.bd/views/analysis/household-consumption-patterns-in-urban-dhaka-and-recent-rice-price-increase-1582641049

2. https://thefinancialexpress.com.bd/views/streamlining-social-safety-net-programmes-1580829419

Book Chapter and Policy Reports

1. **Using Recent Land Use Changes to Validate Land Use Change Models** (with Bruce A. Babcock), *Center for Agricultural and Rural Development Staff Report, 14-SR 109*, , Iowa State University, Ames, Iowa, USA 2014.

2. **Employment and the Labor Market: Recent Changes and Policy Options for Bangladesh** (with Rahman R.I.and A. H. Mondal), *Sixth Five Year Plan of Bangladesh, Chapter 1, Volume 3,* 2011.

3. **Skills for Green Jobs in Bangladesh,** (with A. H. Mondal and ATM S. Mehedi), *Background Country Study,* International Labour Organization (ILO), 2010.

4. **The Global Financial Crisis Implications for Bangladesh** (with Murshid, K.A. S., Chaudhuri Zohir, S., M. Ahmed, and Mehdi, ATMSl), *BIDS-PRP Working Paper No-1.,* Bangladesh Institute of Development Studies (BIDS), 2009.

CONFERENCE PRESENTATIONS

2020: Canadian Resource and Environmental Economics Association (CREEA) Annual Conference , The University of British Columbia, BC, Canada

2019, 2018, 2016, 2017, 2014: Agricultural & Applied Economic Association (AAEA) Meeting , USA

2017: AEA/ASSA Annual Meeting, Chicago, IL.

2016: Canadian Economic Association (CEA) Conference, Ottawa, Ontario, Canada.

2015: Southern Economic Association (SEA) Conference, New Orleans, LA.