

Md Mobarak Hossen

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Sex: Male | Nationality: Bangladeshi

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Teaching Associate

Summary

I am a Teaching Associate and PhD candidate in Economics at Monash University, where I teach undergraduate and postgraduate units in microeconomics, macroeconomics, applied business and international economics. Since commencing my teaching role at Monash, I have been actively involved in delivering tutorials, conducting workshops, designing and marking assessments, and supporting student learning through structured problem-solving, clear economic intuition, and applied examples. My doctoral research is in Economics, with a primary focus on Development, Environmental, and Agricultural Economics, and my academic work emphasizes econometric modelling, causal inference, and policy evaluation. Alongside my teaching, I bring over 13 years of professional experience in applied economic analysis from the Bangladesh Bureau of Statistics, which I integrate into classroom discussion and assessment design to strengthen student engagement, data literacy, and real-world understanding of economic concepts.

Key Skills and Strengths

- Strong analytical and quantitative reasoning with the ability to apply economic theory to real-world policy problems.
- Advanced statistical and econometric analysis skills with proven capacity to analyze official statistics and large micro-datasets.
- Strong written and verbal communication skills, with extensive experience preparing analytical and policy-oriented reports.
- Demonstrated ability to manage large-scale statistical projects, meet deadlines, and deliver outputs under institutional and policy constraints.

Teaching & Pedagogical Skills

Tutorial Delivery | Conducting Workshop | Assessment Design & Marking | Constructive Feedback | Active Learning Strategies | Classroom Engagement Tools (Kahoot) | Inclusive Teaching Practice | Student Support & Consultation

Econometric & Statistical Analysis

Regression Analysis | Panel Data Models | Instrumental Variables (IV) | Causal Inference | Impact Evaluation | Poverty & Inequality Measurement | Price Index Analysis (CPI, PPI, HRI, WRI) | National Accounts & GDP Compilation | Survey Weighting | Microdata Analysis

Official Statistics & Socio-Economic Data

Household Income and Expenditure Survey (HIES) | Labour Force Survey (LFS) | Population & Housing Census | Agriculture Census (Crop, Livestock & Fisheries) | Economic Census | Sample Vital Registration System (SVRS) | Literacy Assessment Survey | SDG Indicators

Programming & Data Tools

Stata | R | Python | ArcGIS | SQL | Excel | LaTeX

Survey Design & Data Management

Questionnaire Design | Sampling Design | Field Operations | Data Cleaning & Validation | Quality Assurance | Statistical Reporting

Education

PhD Dec 2023 -Now (Ongoing)	PhD in Economics Department of Economics, Monash Business School Monash University, Australia Supervisor: Gaurav Datt; Associate Supervisor: Liang Choon Wang Proposed Thesis: <i>Household consumption, food security and welfare in Bangladesh: distributional effects of natural shocks/disasters.</i>
MSc. Sep 2017 – Sep 2018	MSc. Development Economics , Grade: Merit Department of Economics, University of Birmingham Birmingham, United Kingdom, B15 2TT ▪ Major in Development Economics Modules Studied: Microeconomics Macroeconomics Econometrics Topics in Development Economics Development Economic Policy Political Economy International Banking and Finance: Regulations and Supervision Dissertation: <i>“Human and Physical Capital Accumulation in Bangladesh: Impacts of Remittances”</i>
MBA Jul 2009- June 2010 (Result: Feb 2012)	Master of Business Administration (MBA) , CGPA 3.65/4.00 Department of Accounting and Information Systems University of Dhaka, Dhaka-1000, Bangladesh www.du.ac.bd ▪ Major in Accounting and Information Systems Major units: Strategic Management Corporate Governance Research Methodology Taxation and Public Policy Management Accounting Cost Accounting Internship Report: <i>ICB Mutual Funds and Portfolio Management</i>
BBA Jul 2005- June 2009 (Result: June 2010)	Bachelor of Business Administration (BBA) , CGPA 3.53/4.00 Department of Accounting and Information Systems University of Dhaka, Dhaka-1000, Bangladesh www.du.ac.bd ▪ Major in Accounting and Information Systems Major economic and statistical units: Microeconomics Macroeconomics Basic Statistics Applied Statistics Operation Research Business Mathematics I Business Mathematics II Bangladesh Economy Term Paper: <i>Combating Corruption: Forensic Accounting in Bangladesh</i>

Employment History

Teaching Associate (Sessional Academic) Feb 2025- Now (Casual)	a) Department of Economics, Monash University, Australia Units taught: Intermediate Microeconomics Economics Managerial Economics Business in Asia Business, Competition and Regulation Chinese Economy and Global Business Key activities:
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Deputy Director
Bangladesh Bureau of
Statistics
 April 2018 – Nov 2023

- Delivered interactive tutorials designed to strengthen students' economic intuition, analytical reasoning, and problem-solving skills.
- Designed and marked assessments aligned with unit learning outcomes, providing timely and constructive feedback to support student learning and improvement.
- Used interactive digital tools, including Kahoot, to reinforce key concepts, assess real-time understanding, and increase student engagement during tutorials.
- Integrated real-world policy issues, data examples, and applied case studies to improve comprehension of abstract economic concepts.
- Supported students from diverse academic backgrounds through clear explanations, worked examples, and structured tutorial materials.
- Fostered an inclusive and participatory classroom environment, encouraging discussion and active learning.
- Received highest Tier evaluations in SETU, a formal evaluation by student, across semesters with PURPLE letter for all units taught.

b) Household Income and Expenditure Survey 2022 Project

Bangladesh Bureau of Statistics (BBS)
 Statistics & Informatics Division, Ministry of Planning
 Dhaka, Bangladesh

Key Responsibilities:

- Served as Deputy Project Director for the Household Income and Expenditure Survey (HIES) 2022, Bangladesh's primary household survey used for poverty measurement, inequality analysis, and national policy formulation.
 - Led survey design, including questionnaire development, development of CAPI-based data collection systems, ensuring consistency with international statistical standards.
 - Designed sampling of the current round the next round of HIES with other sampling experts.
 - Managed large-scale field operations involving year-round data collection and supervised enumerators, training programs, and quality control mechanisms.
 - Conducted advanced data management and econometric analysis of HIES microdata in collaboration with the World Bank, producing core welfare indicators.
 - Computed household consumption aggregates and constructed national poverty lines using the Cost of Basic Needs (CBN) methodology.
 - Computed the poverty estimates of Bangladesh.
 - Compiled income aggregates from household survey data to support distributional and macroeconomic analysis.
- Conducted detailed analysis of the survey data and prepared different welfare indicators such as literacy rate, access to electricity, water, sanitation, hygiene, health, natural disasters, and food security status.

c) National Accounting Wing, BBS

Key Responsibilities:

- Compiled expenditure-based Gross Domestic Product (GDP)
- Calculated and reported National Savings and Investment
- Involved in the compilation and analysis of quarterly GDP estimates, supporting macroeconomic monitoring and policy decision-making.

- Prepared, analysed and utilized different price indices such as Consumer Price Index, Wage rate Index, House Rent Index, Quantum Index of Industrial Production for GDP compilation.
- Worked as a core team member of the Poverty and Livelihood Statistics Cell, supporting poverty analysis and policy-relevant statistical outputs.

d) Census Wing, BBS

Key Responsibilities:

- Developed the project proposal of Population and Housing Census 2022, the largest statistical operation in Bangladesh.
- Played a central role in the planning, design, and implementation of the Population and Housing Census 2022 in field level
- Contributed to census methodology, data processing strategies, and analytical frameworks for demographic and socioeconomic analysis.
- Worked on the analysis and reporting of census data, generating population, housing, and labour-related indicators for development planning.
- Served as a member of Technical Support Team of Population and Housing Census 2022, the highest body to look after the technicalities of the census.
- Worked as a technical member of Literacy Assessment Survey 2022.
- Worked on the production of environment, climate change, and disaster-related statistics, supporting evidence-based climate and resilience policies.
- Served as a member of the Technical Committee on SDGs Monitoring, contributing to the monitoring the progress and approving different official indicators produced by other government agencies.

Statistical Officer Bangladesh Bureau of Statistics

Jan 2013 – Apr 2018

a) Deputy Director (In-charge) District Statistics Office, Cumilla

Key Responsibilities:

- Acted as the chief statistical and analytical officer for the district, overseeing statistical operations across Cumilla district and 16 subordinate upazila.
- Supervised the collection and validation of Consumer Price Index (CPI) data at field level, supporting inflation measurement.
- Oversaw the compilation of district-level agricultural statistics for major and minor agricultural crops, contributing to sectoral output analysis.
- Supervised Sample Vital Registration System (SVRS) and social service coverage surveys, ensuring data quality and analytical reliability.

b) Finance Administration and Management Information System Wing, BBS

Key Responsibilities:

- Worked on the Economic Census 2013, contributing to census preparation, classification of economic activities using ISIC standards, data coding, and processing.
- Supported economic data management and statistical operations

related to enterprise and production statistics.

- Produced and analysed official economic and administrative statistics used for public policy formulation and development planning.
- Worked as a monitoring officer of Food Security and Nutritional Surveillance Component Project which was responsible to validate the data of Food Security and Nutrition Survey conducted by BRAC.
- Supported national survey and census operations through analytical oversight and quality assurance of collected data

c) Divisional Statistical Office, BBS, Dhaka

Key Responsibilities:

- Supervised large-scale field data collection for national surveys and censuses such as Census of Slum and Floating Population, National Household Database Census ensuring compliance with statistical standards.
- Conducted and supervised CPI data collection, contributing to inflation measurement and price statistics.
- Compiled regional agricultural statistics to support production and sectoral economic analysis.
- Conducted field-level data collection for surveys on climate change impacts on livelihoods, contributing to applied environmental and development economics research.
- Involved with the field operation of education household survey and health and morbidity status survey

Professional Trainings

- **Treasury Single Account (TSA)**, SARTTAC, International Monetary Fund (IMF), Dhaka, Bangladesh (2023)
- **Advanced National Accounts Statistics**, SARTTAC–IMF, New Delhi, India (2023)
- **Statistical Analysis and Data Management Using Stata**, World Bank & Bangladesh Bureau of Statistics (2021)
- **Data Management and Statistical Analysis Using Stata**, Bangladesh Bureau of Statistics – *Position: 3rd* (2021)
- **Fiscal Economics and Economic Management (FEEM)**, Institute of Public Finance, Ministry of Finance, Bangladesh – *Position: 2nd* (2017)
- **System of National Accounts (2008 SNA) – Intermediate Level**, UNSIAP (E-learning) (2016)
- **System of National Accounts (2008 SNA) – Basic Level**, UNSIAP – *Position: Joint 1st* (2016)
- **Urban Research with Special Focus on Urban Poverty**, World Bank, PPRC & BBS (2016)
- **Training on Transparency, Accountability and Good Governance**, National Academy for Planning and Development (2016)
- **Training on Basic Statistics and Statistical Software (Stata)**, National Academy for Planning and Development (2013)

Selected Official Publications

Bangladesh Bureau of Statistics (BBS):

- **National Accounts Statistics 2022–23** — Contributor (*National Accounts Compilation and Analysis*)
 - **National Accounts Statistics 2023–24** — Contributor (*National*
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	<i>Accounts Compilation and Analysis)</i> • Quarterly Gross Domestic Product of Bangladesh — Contributor (<i>National Accounts Compilation and Analysis</i>), <i>Different Quarters</i> • Household Income and Expenditure Survey 2022: Final report — Co-author / Technical Contributor • Household Income and Expenditure Survey 2022: Preliminary Report — Technical Contributor (<i>Data Analysis and Reporting</i>) • Population and Housing Census 2022: Preliminary Report — Contributor (<i>Data Analysis and Report Preparation</i>) • Agriculture (Crops, Livestock and Fisheries) Census 2018: District Report Dhaka and Brahmanbaria — Contributor (<i>Data Analysis and Report Preparation</i>) • Agriculture (Crops, Livestock and Fisheries) Census 2018: District Reports Brahmanbaria — Contributor (<i>Data Analysis and Report Preparation</i>) • Agriculture (Crops, Livestock and Fisheries) Census 2018: Post Enumeration Check Report 2019 — Analytical Contributor and Report Preparation • Handloom Census 2018 — Co-author • Handloom Census Post Enumeration Check Report 2019 — Analytical Contributor and Report Preparation • Literacy Assessment Survey 2023 — Analytical Reviewer
Research	• <i>Who Suffers Most from Natural Shocks in Bangladesh?</i> Manuscript. • <i>Asymmetric Effects of Climate Shocks on Rice Yields: Evidence from a Dynamic Panel Study in Bangladesh.</i> Manuscript. • <i>Climate Adaptation and the Persistence of Climate Shocks in Agriculture in Bangladesh.</i> PhD Research in Progress
Awards	• Prime Minister Fellowship for PhD Awarded By: Governance Innovation Unit, Prime Minister's Office, Bangladesh • National Integrity Strategy (NIS) Award, 2016-17 Awarded By: Bangladesh Bureau of Statistics (BBS) and Statistics and Informatics Division, Ministry of Planning, Bangladesh Date: 25 Jul 2017 • FEEM Fellowship (Master's Level) (2017) - covering full tuition fees and living allowance Awarded by: the Institute of Public Finance, Ministry of Finance, Bangladesh • Board Scholarship (Merit Category) for securing GPA 5.00/5.00 in SSC, Cumilla Board, Bangladesh (2005). • Board Scholarship (General Category) for SSC results, Cumilla Board, Bangladesh (2003). • Junior School Scholarship, Cumilla Region, Bangladesh (2000).
Membership	• Member, Australasian Development Economics Association • Life member, Bangladesh Statistical Association (BSA) • Life Member, Alumni Association of Fiscal Economics and Economic

	Management (FEEM), Bangladesh • Life member, University of Dhaka Alumni Association, University of Dhaka, Bangladesh • Alumnus, University of Birmingham, UK • Life member, Accounting Alumni Association, University of Dhaka • Member, Bangladesh UK Alumni Network (BUKAN), Bangladesh
Volunteer and Professional Services	• Treasurer, <i>P60 FTC Cooperative Society, Bangladesh</i> – Managed funds and coordinated relief distribution for floating and vulnerable populations. • Joint Secretary, <i>BCS (Statistical) Association, Bangladesh</i> – Organised COVID-19 relief, professional development seminars, member coordination activities and observing different national days. • Joint Secretary, <i>BCS All Cadre Association</i> – Led welfare initiatives including COVID-19 relief, blood donation programs, and member engagement events.
Interests	• Applied econometrics and quantitative problem solving • Socio-economic data analysis and visualisation • Evidence-based public policy and social development • Community engagement and social welfare initiatives
References	Gaurav Datt Associate professor Department of Economics Monash Business School Monash University, Australia Phone: +61 (3) 9905 5835 Email: Gaurav.Datt@monash.edu Liang Choon Wang Professor Department of Economics Monash Business School Monash University, Australia Email: Liang.C.Wang@monash.edu



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