

Mustofa Mahmud Al Mamun

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Education

- 2016-Present **University of Arizona – (Tucson, AZ, USA)**
MS in Agricultural & Resource Economics (Applied Econometrics and Data Analytics)
GPA: 4.00/4.00 - Expected Graduation: May 2018
- 2015-2016 **University of Dhaka – (Dhaka, Bangladesh)**
Master of Economics (Environmental Economics)
GPA: 3.94/4.00 – Graduation: July 2016
- 2009-2014 **Bangladesh University of Engineering & Technology– (Dhaka, Bangladesh)**
Bachelor of Urban & Regional Planning
GPA: 3.11/4.00 – Graduation: July 2014

Work Experience

- 2017-Present ***Research Assistant for Dr. George Frisvold* – University of Arizona (Tucson, USA)**
- Currently involved in a USDA funded project on adopting weed resistance management practices among US cotton, corn, and soybean farmers
 - Responsible for data cleaning and data analysis with SAS/Excel
 - Conducted literature review and produced reports in Excel and SAS
- 2017 (Summer) ***Data Science Intern at Stadium Goods* (New York, NY)**
- Handled live databases for world's one of the fastest growing online retailers in the apparel and footwear markets
 - Used both MYSQL and MSSQL to source data from multiple relational databases, thousands of tables and tens of thousands of fields many of which poorly documented
 - Used BI tools Chartio & Tableau for data analysis and data visualization
 - Produced more than 100 dashboards following the list handed in the beginning of employment i.e. Top 10 products, Daily Sales & Revenue, Stuck Inventories, Average Inventory Time
- 2016-17 ***Teaching Assistant for AREC Department*– University of Arizona (Tucson, USA)**
- Econ 360: Economic Development with Dr. Paul Wilson (Spring-17)
 - Econ 304: Intermediate Microeconomic theories with Dr. Roger Dahlgran (Fall-16)
 - Econ 313: Economics of Futures Market with Dr. Roger Dahlgran (Fall-16)
 - Responsible for proctoring exams, grading assignments and exams, and holding office hours.
- 2015-2016 ***Research Assistant for Dr. Nazrul Islam* – University of Dhaka (Dhaka, Bangladesh)**

- Responsible for data collection, cleaning, and analysis using SPSS and Excel for a PKSF funded project in Bangladesh on fish fry collection at the Halda River

Relevant Coursework

- Consumption Economics & Price Analysis, Production Economics (Graduate Level, University of Arizona)
- Microeconomics of Agricultural Development, Economic Policy in Developing Countries (Graduate Level, University of Arizona)
- Mathematics for Economists, Introduction to Statistical Methods in Economics, Applied Econometric Analysis, Advanced Applied Econometric Analysis (Graduate Level, University of Arizona)
- Microeconomic Analysis, Macroeconomic Analysis, Welfare Economics & Public Policy Analysis (Graduate Level, University of Dhaka)
- Environmental Economics-Theory & Practices, Environmental Decision Making, Economics of Environmental Regulation (Graduate Level, University of Dhaka)
- Mathematical Methods for Economics, Statistical Methods & Econometrics (Graduate Level, University of Dhaka)
- Microeconomics, Macroeconomics, Public Finance, Environmental & Resource Economics (Undergraduate Level, Bangladesh University of Engineering & Technology)
- Mathematics-1, Mathematics-2, Statistics-1, Statistics-2 (Undergraduate Level, Bangladesh University of Engineering & Technology)

Thesis and Publication

- Completed Master's thesis titled "**Economics of Fish Fry Collection: A Study on the Halda River**" as part of my previous master's degree in Environmental Economics. I conducted primary survey to collect data as well as used data from secondary source, and estimated direct use value from fish fry collection. Used SPSS and Excel for data analysis.
- Completed undergraduate thesis titled "**Regional inequality of Bangladesh**" with district level data from secondary source. I applied factor analysis to construct basic indicators from 24 socio-economic indicators for all 64 districts of Bangladesh and then used cluster analysis to delineate the disparate regions. Used SPSS and Excel for data analysis.
- Mohiuddin, H, Bhuiya, M.M.R. and **Mamun, M.M.A.** (2014). "An Analysis of the Temperature Change of Dhaka City". Proceedings of 5th International Conference on Environmental Aspects of Bangladesh (ICEAB), on 5~6 September 2014, University of Dhaka, Dhaka, Bangladesh.

Programming Skills

- Proficient in SQL and SAS
- Basic knowledge in R and Python
- Statistical Software packages: MS Excel, SPSS, STATA
- Business Intelligence Tool: Tableau, Chartio