Maruf Morshed

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Education

Ph.D. Economics: Texas Tech University, Lubbock, TX, May 2023 (Expected).

M. Sc. in Economics: University Of Dhaka, Bangladesh, 2016.

B. Sc. in Mechanical Engineering: Bangladesh University of Engineering & Technology, Bangladesh, 2012.

Academic Positions

Graduate Part-Time Instructor: Texas Tech University, Lubbock, TX (2021-Present)

Graduate Teaching Assistant: Texas Tech University, Lubbock, TX (2019-2021)

Economics Library Tutor: Texas Tech University, Lubbock, TX (2018)

Research & Teaching Fields

Primary: Applied Microeconomics, Energy Economics, Environmental Economics

Secondary: Agricultural Economics, Education Economics, Applied Macroeconomics

Research

Job Market Paper

"Are Biofuels More Environmentally Friendly? The GHG Emissions Impacts of Increased Biofuel Production"

In most emission analysis, sole focus is given to CO2 emission; non-CO2 emissions are largely overlooked. However, non-CO2 emissions has some impact on total Green House Gas (GHG) emissions. For instance, non-CO2 emission accounts for more that 19 percents of total GHG emission of USA. In this paper, a new database incorporating non-CO2 emissions in standard GTAP Biofuel database has been created. Using Computable General Equilibrium (CGE) model, impact of biofuel shock on the economy, energy output and emissions in USA is evaluated. New database gives more comprehensive and holistic results than the GTAP biofuel database.

Working Paper

"Is the drought in the United States anthropogenic? Finding the economic predictors of drought using machine learning"

Using a machine learning methods, the goal is to find economics predictors of drought. Using Drought Severity and Coverage Index (DSCI) and US census data I am trying to find the economic predictors of drought. A classification and/or ranking of US counties vulnerable to drought will also be defined by machine learning methods. Secondary focus of this research is to find how American poor will be affected by this drought. Finally, I will try to find policy implications of this proposed research.

"Effect of class duration in college students achievements"

In educational process, time is a very important resource. The amount of resource devoted for education is very vital in educational process. Setting time (class duration) for classroom may seems a simple issue but is very complex to set up. There are several factor works in this arena like efficiency of instruction, actual time spent for instructional tasks etc. are very hard to evaluate. Instructional time is dependent on its relationship to curriculum and instructional quality. However, discussions regarding education and the notion of time typically gravitate toward a focus on the school year and on the school day. But in this study, primary focus would be whether smaller class hours is better than longer class hours in achieving the educational output.

Teaching Experience

Texas Tech University, Lubbock, Texas, United States

Graduate Part Time Instructor	2021-Present
Principles of Economics	Fall 2022
Principles of Microeconomics	Fall 2021 & Spring 2022
Teaching Assistant	2019-2020
Environmental Economics	Spring 2021
Energy Economics	Fall 2020
Monetary Theory	Spring 2020
Econometrics	Fall 2019
Economic & Business Forecasting	Spring 2019
Economics Library Tutor	2018
Principles of Microeconomics Principles of Macroeconomics Principles of Economics	Fall 18

Conference Presentation

Southern Economic Association, 92nd Annual Meeting, Ft.Lauderdale, Texas, Nov. 2022 (Scheduled)

Missouri Valley Economic Association, 59th Annual Meeting, St. Louise, Missouri, Oct. 2022

Other Skills

Programming Languages: R, Matlab, Stata, LaTeX, SPSS.

References

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Dr. Michael D. Noel
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Dr. Xiaohan Ma
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