

Tuhinur Rahman Chowdhury

+1 7012002798
tuhinchy.sust@gmail.com

Google Scholar Profile
Linkedin Profile
ResearchGate Profile

EDUCATION

Doctor of Philosophy, Agricultural and Applied Economics , Texas Tech University (TTU)	Ongoing
Master of Science, Agricultural and Applied Economics , Virginia Polytechnic Institute and State University (VT)	2023
Master of Science, Agribusiness and Applied Economics , North Dakota State University (NDSU)	2022
Bachelor of Social Science, Economics , Shahjalal University of Science and Technology (SUST)	2015

PROJECTS

Research Assistant , Department of Agricultural and Applied Economics, TTU Project Title: Effects of Marijuana Legalization on Agricultural Employment and Agricultural Wage Supervisor: Dr. Syed Badruddoza	Jan 2024 — Present
<ul style="list-style-type: none">This project aims to assess the causal impact of recreational marijuana legalization on agricultural employment and wages. The analysis utilizes state-level data spanning from 1990 to 2023. To estimate the average treatment effects, we employ the recently developed Synthetic Difference-in-Difference model	
Research Assistant , Department of Agricultural and Applied Economics, VT Project Title: Do Energy Audit Mandates Work? An Empirical Analysis Using 12-Year Firm-Level Panel Data Supervisor: Dr. Chi Ta	Aug 2023 — Jan 2024
<ul style="list-style-type: none">The objective of this project is to estimate causal effects of mandatory energy audit on energy efficiency and energy consumption. Energy Data on 13,000 firms in Vietnam from 2008-2019 are used for this study. Causal effect is estimated using regression discontinuity design	
Research Assistant , Department of Agribusiness and Applied Economics, NDSU Project Title: Impacts of the COVID-19 pandemic on housing markets Supervisor: Dr. Lei Zhang	Jan 2021 — August 2022
<ul style="list-style-type: none">The primary objective of this study is to investigate the effects of stay-at-home orders on different distributions of housing prices in 101 housing markets (MSA) in the United States. Unconditional Quantile Regression Model is used to estimate the effects of stay at home orders on house prices. Binary Logistic Regression Model is also used to examine whether socioeconomic or demographic characteristics affect executive orders.	
Research Assistant , Department of Economics, SUST Project Title: Determinants of child under-nutrition in Bangladesh: Evidence from Multiple Indicators Cluster Survey Supervisor: Dr. Sayan Chakrabarty	Jan 2016 — August 2017
<ul style="list-style-type: none">Multiple Indicators Cluster Survey Data are used to examine determinants of stunting, wasting and underweight among children under five years of old. We used WHO standard to define child stunting, wasting and underweight.	

SHORT-TERM PROJECTS

Research Assistant , Institute of Water Modelling Project Title: Feasibility Study for Mitigation of Drainage Congestion on Water Logging in Sylhet Metropolitan Area including ESIA Supervisor: Dr. A.K. Enamul Haque	Jan 2017 — March 2017
Research Assistant , Save the Children Project Title: A Cost of The Diet Analysis in Sylhet Division, Bangladesh Supervisor: Md. Masud Rana	Jan 2018 — Apr 2018

TEACHING EXPERIENCE

Graduate Teaching Assistant Department of Agricultural and Applied Economics, Virginia Tech University Course Title: AAEC 4984 - Energy Economics Key Topics: Overview of microeconomics principles and models, Introduction to energy markets and economic regulations, environmental policies for energy markets and energy markets in the developing world.	Jan 2023 — May 2023 Blacksburg, Virginia
--	---

Graduate Teaching Assistant

Department of Agricultural and Applied Economics, Virginia Tech University

Course Title: AAEC 5014 - Applied Economic Analytics**Key Topics:** Univariate calculus review, multivariate calculus review, introduction and working with R and RStudio, solving linear systems of equations, partial equilibrium modeling, further programming in R: the natural exponential, the natural logarithm, and discounting, further programming in R: executing the iterative Gauss-Seidel algorithm to solve systems of economic equations, reading in data and plotting data in R and basic statistics and primary data analysis with R**Aug 2022 — Dec 2022**

Blacksburg, Virginia

Lecturer

Department of Economics, Metropolitan University

Course Taught: Introduction to Mathematical Economics, Introductory Microeconomics, Intermediate Macroeconomics, Basic Econometrics and International Economics**March 2021 — Nov 2021**

Sylhet, Bangladesh

Lecturer

Women's Model College

Course Taught: Microeconomics and Macroeconomics**March 2020 — Mar 2021**

Sylhet, Bangladesh

PROGRAMMING AND STATISTICAL SKILLS

Statistical SPSS, Stata, Tableau
Programming R, Python, LaTeX, SQL**PUBLICATIONS**

1. Chowdhury, T. R. *et al.* Socio-economic risk factors for early childhood underweight in Bangladesh. *Globalization and Health* (2018).
2. Chowdhury, T. R. *et al.* Factors associated with stunting and wasting in children under 2 years in Bangladesh. *Heliyon* (2020).
3. Chowdhury, T. R. *et al.* Risk factors for child stunting in Bangladesh: an analysis using MICS 2019 data. *Archives of Public Health* (2022).
4. Zhang, L., Chowdhury, T. R. & Leonard, T. Impacts of Stay-at-home Orders during the COVID-19 Pandemic on 101 Housing Markets in the United States. *2023 Meeting of the Southern Regional Science Association (conference paper)* (2023).

RESEARCH INDEX

Google Scholar Citation: 256**h-index:** 3**i10-index:** 3**AWARDS & HONORS**

- Bayer CropScience Graduate Fellowship for Agricultural and Applied Economics, 2024
- Sylhet Board of Intermediate and Secondary Education Merit Scholarship, 2009
- The Directorate of Secondary and Higher Education, 2016
- Shahjalal University Merit Scholarship, 2013, 2014, & 2015
- M. Owazed Ali Trust Scholarship, 2016
- Fazilitunnesa Trust Scholarship, 2017

REFERENCES

Dr. Syed Badruddoza

Assistant Professor

Department of Agricultural and Applied Economics
Texas Tech University

Email: syed.badruddoza@ttu.edu

Dr. Chi Ta

Assistant Professor

Dept. of Agricultural and Applied Economics
Virginia Tech University

Email: chita@vt.edu