SHAIKH TANVIR HOSSAIN

email: tanvir.hossain@tu-dortmund.de

web: sthossain.github.io

RESEARCH INTERESTS	Econometrics, Causal Inference and Machine Learning

EDUCATION

DOCTORAL STUDENT (DEPT. OF BUSINESS AND ECONOMICS) 2019/04 – ongoing
Technical University of Dortmund, Dortmund, Germany
- Doctoral student at the Dept. of Economics (2021/10 - ongoing)
  & also worked in the Dept. of Statistics (2019/04 - 2021/03).
- Supervisor: Professor Carsten Jentsch (Chair of Business and Social Statistics, Dept. of Statistics).

MASTER OF SCIENCE IN ECONOMICS (2 YR. PROGRAM) 2017
University of Mannheim, Mannheim, Germany
- Focus Areas: Statistics and Econometrics.
- Thesis Title - LASSO & Vector Autoregressive Models - With an Application to Dynamic Stochastic Networks.
- Completed 121.5 ECTS with an overall grade 1.7 (with 1.0 being the best).

BACHELORS IN BUSINESS WITH A SECOND MAJOR IN ECONOMICS 2012
BRAC University, Dhaka, Bangladesh
- Double Major in Economics (Dept. of Economics and Social Sciences) & Finance (BRAC Business School).
- Completed 181 credits with a cumulative GPA: 3.64 / 4.00 (on a scale from 1 to 4, with 4 being the best), earned distinction.

EMPLOYMENT

LECTURER (ADJUNCT) 2022/06 –
East West University, Dhaka, Bangladesh
Faculty of Business & Economics, Dept. of Economics
- *Teaching*
  - MAT100 (College Mathematics), BBA/ BSS in Economics
  - MAT211 (Mathematics for Business and Economics - II), BBA/ BSS in Economics
  - ECO104 (Statistics for Business and Economics - I), BBA/ BSS in Economics
  - ECO204 (Statistics for Business and Economics - II), BBA/ BSS in Economics

RESEARCH ASSOCIATE 2018/04 – 2022/03
Technical University of Dortmund, Dortmund, Germany
Chair of Business and Social Statistics, Dept. of Statistics
- *Research* - Project - M-out-of-N bootstrap for Matching Estimators
- *Teaching (TA)*
  - Asymptotic Theory, MSc. Econometrics/ Data Science
  - Econometrics of treatment effects and policy evaluation, MSc. Econometrics/ MSc. Data Science
  - Seminar on Treatment Effect Models, MSc. Statistics
- *Teaching (Course Instructor)*
  - Programming with Julia, MSc. Econometrics/ MSc. Data Science
  - Pre-course Statistics, Statistical Estimation, MSc. Econometrics/ MSc. Data Science

RESEARCH ASSOCIATE 2017/03 – 2018/03
University of Mannheim, Mannheim, Germany
Chair of Statistics and Chair of Econometrics, Dept. of Economics
- *Research* - Project - Dynamic Network Estimation using LASSO
- *Teaching (TA)*
  - Impact Evaluation and Research Design, MSc. Economics/ MA Sociology

STUDENT ASSISTANT (DURING MASTERS)

University of Mannheim (Dept. of Economics)   2015/03 – 2017/02
(Chair of Statistics and Chair of Econometrics, Dept. of Economics)

University of Heidelberg   2016/02 – 2017/02
(old name - Research Training Group on Complex Systems, new name - Probability & Statistics Group Heidelberg-Mannheim)

PROJECT ASSISTANT, DATA MANAGEMENT   2012/12 – 2014/02
Innovations for Poverty Action (IPA), Dhaka, Bangladesh

Project - Building management hierarchies for growth in LICs: understanding the role of supervisor training in Bangladeshi garment sector

Principle Investigators - Christopher Woodruff (University of Oxford), Rocco Macchiavello (LSE), and Atonu Rabbani (University of Dhaka).

Key Tasks - Managing survey datasets and large factory datasets with different tools and techniques (e.g., STATA, Python and CSPro).

RESEARCH INTERN   2012/09 – 2012/12
South Asian Network on Economic Modeling (SANEM), Dhaka, Bangladesh

FUNDS, SCHOLARSHIPS & AWARDS

- *Quality improvement funds (Qualitätsverbesserungsmittel)* at the Technical University of Dortmund for contributing to the following course designs,
  Econometrics of Treatment Effects and Policy Evaluation,
  Pre-course Statistics, Statistical Estimation.
- *Deutscher Akademischer Austauschdiens (DAAD) Scholarship* at the University of Mannheim (received as a graduation scholarship).
- *Vice Chancellor's list award* (given with the grade of at least 3.9) and *Dean's list award* (given with the grade 3.7 - 3.89) at the BRAC University for the semesters - Summer 2010, Spring 2011, Summer 2011 & Summer 2012 ; Spring 2010, Fall 2010 & Spring 2012.

ATTENDED WORKSHOPS & CONFERENCES

PRESENTATIONS

- German Probability at Statistics Days (GPSD) 2018, University of Freiburg. *Title - Modeling and Prediction of Dynamic Networks using binary autoregressive time series processes*
- German Statistical Week, 2021 (online), University of Kiel. *Title - Nearest neighbor matching: Does the M-out-of-N bootstrap work when the naive bootstrap fails?*

WORKSHOPS

- Bielefeld-Dortmund Summer School 2017 on *Modern Topics in Time Series Analysis*, at the Technical University of Dortmund.
- *Workshop on Causality* (organized by DFG research unit 1735 "Structural Inference in Statistics") at Uder. Lectures were given by Jonas Peters and Vanessa Didelez (invitation through scholarship)
- *Workshop on Mathematical Statistics* "StatMathAppli 2019" at Fréjus. Lectures were given by Matthieu Lerasle and Peter Bühlmann.

CODING SKILLS

R, Julia, Python, STATA, LaTeX, HTML & CSS

ADDITIONAL INFORMATION

Nationality - Bangladeshi, Language - Bangla (Native), English (Fluent), German (Basic)

SCHOOL AND COLLEGE

SSC from Government Laboratory High School, Dhaka (Science Group - GPA 5.00)
HSC from Notre Dame College, Dhaka (Science Group - GPA 5.00)

REFERENCES

Professor Carsten Jentsch
  Chair of Business and Social Statistics
  Dept. of Statistics
  Technical University of Dortmund

Professor A.M Tanvir Hussain
  Dept. of Economics
  East West University

Professor Wasiqur Rahaman Khan
  Dept. of Economics and Social Sciences
  BRAC University

The CV has been last updated on December 7, 2024. Please send me an email if you have more questions.