

Kazi Tanvir Hasan

PHD GRADUATE ASSISTANT

Florida International University

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Education

Department of Biostatistics, Florida International University

PHD IN PUBLIC HEALTH

- Miami, FL, USA

Biostatistics and Data Analytics

2021-

Department of Mathematics, Illinois State University

MASTER IN MATHEMATICS

- Normal, IL, USA

Applied Statistics

2020

Department of Statistics, University of Dhaka

BACHELOR OF SCIENCE (HONS)

- Dhaka, Bangladesh

Statistics

2017

Research Experience

Graduate Assistant

DEPARTMENT OF BIostatISTICS

- Work on research projects under faculty supervision
- conducting literature reviews, collecting and analyzing data, and preparing research reports or papers.

Florida International University

August 2021 - Present

Research Assistant

DEPARTMENT OF DISASTER SCIENCE AND CLIMATE RESILIENCE

- Data collection, data cleaning and visualizations
- Statistical data analysis for reports and scientific manuscripts

University of Dhaka

January 2021 - July 2021

Undergraduate Research Assistant

DEPARTMENT OF STATISTICS

- Data collection, data cleaning and visualizations
- Statistical data analysis for reports and scientific manuscripts

University of Dhaka

January 2016 - December 2016

Teaching Experience

Instructor Assistant

THE RESEARCH CENTERS IN MINORITY INSTITUTIONS (RCMI) CONSORTIUM

- A 10-week national series to the R Programming language, using a modified version of the R for Reproducible Scientific Analysis Data Carpentry curriculum

Morehouse School of Medicine

February 2023 - May 2023

Teaching Assistant

DEPARTMENT OF BIostatISTICS

- Prepare a class for Introduction to Bayesian Analysis (PHC6084)
- Lead discussion sections, hold office hours, develop course materials, and assist with course logistics

Florida International University

August 2021 - Present

Graduate Teaching Assistant

DEPARTMENT OF MATHEMATICS

- Lead discussion sections, tutorials, or lab sections
- Schedule and maintain regular office hours to meet with students
- Prepare or proctor examinations
- Meet with supervisors to discuss students' grades or to complete required grade related paperwork

Illinois State University

August 2018 - May 2020

Publications

MANUSCRIPT

1. Hasan, K. T., & Akman, O. (2021). Mortality modeling under stochastic frailty. *Missouri Journal of Mathematical Sciences*, 33(1). <https://doi.org/10.35834/2021/3301105>

2. Ahamed, H., Hasan, K. T., Islam, Md. T., & Galib, F. C. (2020). Lockdown policy dilemma: COVID-19 pandemic versus economy and mental health. *Journal of Biomedical Analytics*, 3(2), 37–58. <https://doi.org/10.30577/jba.v3i2.60>

SUBMITTED/IN REVISION/IN PRESS

A Bayesian Kernel Machine Regression Approach to Assessing the Effect of Heavy Metal Mixtures on the Risk of Heart Attack

Boubakari Ibrahimou, Kazi Tanvir Hasan, Shelbie Burchfield, Zoran Bursac, Hamisu Salihu, Yiliang Zhu, Getachew Dagne, Mario De La Rosa, Assefa Melesse, Roberto Lucchini, Tomas Guilarte. *Journal of Environmental and Public Health*, Hindawi.

CONFERENCE PRESENTATIONS

A Bayesian Kernel Machine Regression Approach to Assessing the Effect of Heavy Metal Mixtures in Blood and Urine on the Risk of Heart Attack, Kazi TH, Boubakari I, Shelbie B., Joint Statistical Meetings, Washington DC, August 2022.

Infectious Disease Mortality Prediction. Kazi Tanvir Hasan. Illinois State University Research Symposium, Mathematics. 1, April 2020 <https://ir.library.illinoisstate.edu/ursmat/1>.

Skills

Software	Excel, SPSS
Programming Languages	R, SAS
Reproducible Report	Quarto, Markdown/Rmarkdown, LaTeX
DevOps	Git, GitHub
Languages	Bangla, English

Honors and grants

SGA Graduate Scholarship	<i>Florida International University</i> 2022
• Awarded for academic excellence	
GPSC Travel Grant	<i>Florida International University</i> 2022
• Awarded to attend conference	
Bangladesh Sweden Trust Fund Schlorship	<i>Ministry of Finance, Bangladesh</i> 2022
• Bangladeshi atudents enrolled at foreign university	
Graduate Assistantship	<i>Florida International University</i> 2021
• Scholarship to conduct Doctoral studies	
Berk Summer Research Fellowship in Statistics	<i>Illinois State Univeristy</i> 2019
• Awarded for academic excellence	
Graduate Teaching Assistatship	<i>Illinois State Univeristy</i> 2019
• Scholarship to conduct Graduate studies	