

Kazi Tanvir Hasan

PHD GRADUATE ASSISTANT

Florida International University

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Education

Department of Biostatistics, Florida International University

Biostatistics and Data Analytics

PHD IN PUBLIC HEALTH

2021-

- Miami, FL, USA

Department of Mathematics, Illinois State University

Applied Statistics

MASTER IN MATHEMATICS

2020

- Normal, IL, USA

Department of Statistics, University of Dhaka

Statistics

BACHELOR OF SCIENCE (HONS)

2017

- Dhaka, Bangladesh

Research Experience

Graduate Assistant

Florida International University

DEPARTMENT OF BIostatISTICS

August 2021 - Present

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

Research Assistant

University of Dhaka

DEPARTMENT OF DISASTER SCIENCE AND CLIMATE RESILIENCE

January 2021 - July 2021

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

Teaching Experience

Instructor Assistant

Morehouse School of Medicine

THE RESEARCH CENTERS IN MINORITY INSTITUTIONS (RCMI) CONSORTIUM

February 2023 - May 2023

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

Teaching Assistant

Florida International University

DEPARTMENT OF BIostatISTICS

August 2021 - Present

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

Graduate Teaching Assistant

University of Dhaka

DEPARTMENT OF DISASTER SCIENCE AND CLIMATE RESILIENCE

August 2018 - May 2020

- 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

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	Florida International University 2022
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- Awarded for academic excellence

GPSC Travel Grant	Florida International University 2022
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- Awarded to attend conference

Bangadesh Sweden Trust Fund Schlorship	Ministry of Finance, Bangladesh 2022
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- Bangladeshi atudents enrolled at foreign university

Graduate Assistantship	Florida International University 2021
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- Scholarship to conduct Doctoral studies

Berk Summer Research Fellowship in Statistics	Illinois State Univeristy 2019
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- Awarded for academic excellence

Graduate Teaching Assistatship	Illinois State Univeristy 2019
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- Scholarship to conduct Graduate studies