

# 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

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

## Honors and grants

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