

Kazi Tanvir Hasan

PHD CANDIDATE

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

- - Implementing Bayesian and machine learning analysis techniques, significantly improving project outcomes
- Led research projects, analyzing data, and contributing to published papers

Research Assistant

University of Dhaka

DEPARTMENT OF DISASTER SCIENCE AND CLIMATE RESILIENCE

January 2021 - July 2021

- - Conducted comprehensive data analysis leading to impactful scientific manuscripts
- Implemented robust data visualization methods, enhancing the understanding of complex findings

Undergraduate Research Assistant

University of Dhaka

DEPARTMENT OF STATISTICS

January 2016 - December 2016

- - Contributed to data collection, cleaning, visualization, and statistical analysis for reports

Teaching Experience

Instructor Assistant

Morehouse School of Medicine

THE RESEARCH CENTERS IN MINORITY INSTITUTIONS (RCMI) CONSORTIUM

February 2023 - May 2023

- Conducted a 10-week national series on R Programming using modified Data Carpentry curriculum

Teaching Assistant

Florida International University

DEPARTMENT OF BIostatISTICS

August 2021 - Present

- - Led discussion sections, hold office hours, develop course materials, and assist with course logistics

Graduate Teaching Assistant

Illinois State University

DEPARTMENT OF MATHEMATICS

August 2018 - May 2020

- - Led tutorials, proctored examinations, and provided valuable academic support to students

Skills

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

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

1. Ibrahimou, B., Hasan, K. T., Burchfield, S., Bursac, Z., Salihu, H., Zhu, Y., Dagne, G., Rosa, M. D. L., Melesse, A., Lucchini, R., & Guilarte, T. (n.d.). A bayesian kernel machine regression approach to assessing the effect of heavy metal mixtures on the risk of heart attack. *Journal of Toxicology*.

CONFERENCE PRESENTATIONS

1. Hasan, K. T., Ibrahimou, B., & Odom, G. (2023). *Impact of heavy metal mixtures on cognitive decline and alzheimer's disease and related dementias (ADRD)*.
2. Hasan, K. T., Ibrahimou, B., & Burchfield, S. (2022). *A bayesian kernel machine regression approach to assessing the effect of heavy metal mixtures in blood and urine on the risk of heart attack*.
3. Hasan, K. T. (2020). *Infectious disease mortality prediction: Vol. Mathematics. Mathematics(1)*. <https://ir.library.illinoisstate.edu/ursmat/1>

Honors and grants

Stempel Travel Scholarship

Florida International University

2023

- Awarded to attend conference

SGA Graduate Scholarship

Florida International University

2022

- Awarded for academic excellence

GPSC Travel Grant

Florida International University

2022

- Awarded to attend conference

Stempel Travel Scholarship

Florida International University

2022

- Awarded to attend conference

Bangladesh Sweden Trust Fund Scholarship

Ministry of Finance, Bangladesh

2022

- Bangladeshi students enrolled at foreign university

Graduate Assistantship

Florida International University

2021

- Scholarship to conduct Doctoral studies

Berk Summer Research Fellowship in Statistics

Illinois State Univeristy

2019

- Awarded for academic excellence

Graduate Teaching Assistantship

Illinois State Univeristy

2018

- Scholarship to conduct Graduate studies

Membership

Student Member

August 2021 – Present

- American Statistical Association (ASA)s

Lifetime Member

July 2018 – Present

- Dhaka University Statistics Department Alumni Association (DUSDAA)

Service and Outreach

Treasurer.

*Florida International University
August 2022 – July 2023*

- Bangladesh Students Organizations

President

*Illinois State University
September 2019 – May 2020*

- Bangladesh Students Association

Treasurer.

*Illinois State University
September 2018 – May 2019*

- Bangladesh Students Association

Student Ambassador .

*Illinois State University
September 2018 – May 2020*

- International Studies & Programs