

ASIF ENAN

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Availability: Summer 2025 for Internship

Education

University of Dhaka

Bachelor of Science in Statistics

GPA: 3.80 / 4.00 [WES Evaluation: 3.88 / 4.00]

January 2018 – June 2023

Dhaka, Bangladesh

University of Nebraska-Lincoln

Master of Science in Statistics [Ongoing]

August 2024 – Present

Lincoln, NE, USA

Research Experience

Undergraduate Research Project

January 2022 – December 2022

Title: Early Childhood Development: Variation Within Age at Marriage and Birth of Children among Women in Bangladesh

- Explored ways to understand the mechanism through which a mother's age at marriage and at birth of children affects the development of children aged 3-4 years using the Bangladesh MICS 2019 data.
- Conducted Chi-Squared tests to determine the factors associated with Early Childhood Development (ECD) across three different cohorts of children.
- Fitted three binary logistic regression models to assess the factors that have a significant effect on ECD.
- Study identified factors such as the mother's education level, age of the child, and attendance at an early childhood education program and others to be significant predictors of ECD.

Work Experience

University of Nebraska-Lincoln

Graduate Teaching Assistant

August 2024 – Present

Lincoln, NE, USA

- Graded assignments, exams, and quizzes for undergraduate course in Statistics [STAT-218].
- Conducted office hours to assist students with course material, answer questions, and provide guidance on assignments.

Luminedge Bangladesh

IELTS Teaching Assistant

February 2024 – May 2024

Dhaka, Bangladesh

- Conducted classes for groups of 10 students on developing listening, reading, writing and speaking skills for the IELTS examination.
- Provided one-to-one counselling to students with weak points in any section of the exam.
- Gave instructions and invigilated mock exams in classrooms of 40+ students.
- Conducted 3 seminars on applying abroad and securing funding, writing statement of purpose for graduate studies in the USA.

Standardized Tests

Graduate Record Examination (GRE) | Overall: 317; AWA: 4.5

July 2023

- Quant: 161 (65th Percentile); Verbal: 156 (70th Percentile)
- Analytical Writing: 4.5 (81st Percentile)

International English Language Testing System (IELTS) | Overall: 8.5

August 2023

- Listening: 9; Reading: 9; Speaking: 8; Writing: 7.5

Relevant Academic Courses

- | | | | |
|---------------------------------------------|-------------------------|-------------------------------------|-----------------------------|
| • Probability and Probability Distributions | • Calculus | • Theory of Estimation | • Stochastic Process |
| • Linear Algebra | • Test of Hypothesis | • Design and Analysis of Experiment | • Generalized Linear Models |
| • Real Analysis | • Regression Analysis | • Survival Analysis | |
| | • Multivariate Analysis | | |

Course Writing and Presentation

Report Writing | *Course: Industrial and Official Statistics*

- Composed a report summarizing trends in “Infant Mortality in Bangladesh” based on the reports published by the Bangladesh Demographic and Health Survey (BDHS) program in the years 2017, 2014, 2011, and 2007.

Class Presentation | *Courses: Sampling Techniques and Research Methodology*

- Presented on the conceptual understanding of Stratified and Cluster sampling with illustrations and comparisons between the two sampling techniques.
- Presented on the introduction, purpose, and steps in the solution of a research topic as well as the stages of a research process based on the coursebook.

Technical Skills

Programming Language | *R, Python, SQL*

- Gained proficiency in Python and R for statistical exploration through MS course STAT-850: Statistical Computing.
- Leveraged statistical libraries in R such as “survival”, “tseries”, “qcc” to complete practical coursework for survival analysis, time series analysis, and industrial analysis.

Statistical Software and Scientific Writing | *SPSS, SAS, Stata, Microsoft Excel, Rmarkdown, Quarto, Latex*

Certification and Teaching Experience

- Public Health: Completed three Specialization programs on Coursera from Imperial College London, consisting of eleven total courses covering the foundations of Public Health, Epidemiology, and Statistical Analysis in R for Public Health as part of their Global MPH program.
- SAS: Completed the SAS Programming Specialization on Coursera, that covered how to write syntax to access, transform, and analyze data, as a preparation for the SAS Base Programmer certification exam.
- SQL: Learned SQL operations including basic querying, filtering, sorting, and joining data using PostgreSQL on the online learning platform Datacamp.
- R: Gained proficiency in the tidyverse packages for exploratory data analysis and reproducibility tools like Rmarkdown/Quarto by completing over 30+ courses on Datacamp as part of their “Statistician and Data Scientist Career Track”.
- Teaching: Tutored high school students in physics, chemistry, and math for eight months, helping them improve their understanding and grades in these subjects.

Awards

Othmer Fellowship Award

Department of Statistics, University of Nebraska-Lincoln

August 2024

Lincoln, NE, USA

- Awarded \$4,000 to assist with recruitment and support my studies at the University of Nebraska-Lincoln.

General Scholarship

University of Dhaka

2023

Dhaka, Bangladesh

- Received for outstanding academic performance during the Bachelor of Science in Statistics program.