

Md. Jubayer Hossain

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ACADEMIC CREDENTIALS

Bachelor of Science in Microbiology

Jagannath University

Jan. 2016 – Jan. 2019

Dhaka, Bangladesh

Master of Science in Microbiology

Jagannath University

Jan. 2020 – Present

Dhaka, Bangladesh

RESEARCH

Under Review

- Syeda Tasneem Towhid, Ph.D, **Md. Jubayer Hossain**, Sumona Akter, Md. Atik Shariar Sammo; “*Perception of Students on Antibiotic Resistance and Prevention: An Online, Community-Based Case Study from Dhaka, Bangladesh*” ([Journal of Prevention in Practice](#))

Working Papers

- Syeda Tasneem Towhid, Ph.D, **Md. Jubayer Hossain**, Sumona Akter, Tilottoma Roy, Muhibullah Shahjahan, Tanjum Ahmed Nodee, Bithi Akter; “*Self Management And Knowledge of Diabetic Patients in Bangladesh and the Prevalence rate of Diabetes*”
- Md.Ariful Islam, Ph.D, **Md. Jubayer Hossain**, Rubaiya Gulshan, Sumaiya Akter Mukta, Md. Sharif Miah; “*Knowledge and Attitudes of Thalassemia among Public University Students in Bangladesh*”
- Md. Ariful Islam, Ph.D, **Md. Jubayer Hossain**, Rubaiya Gulshan, Sumaiya Akter Mukta, Md. Sharif Miah, Md. Wahidul Islam; “*Quality of Life among Bangladeshi Patients with Thalassemia using the SF-36 Questionnaire*”
- Md.Kamrujjaman, Ph.D, Alamgir Hossain Tanjim, **Md. Jubayer Hossain**; “*General Concept of Diabetes among Villagers of Different Districts in Bangladesh: A Cross-sectional Study*”
- Sabia Sultana, **Md. Jubayer Hossain**, Atik Shahriar Sammo, Bithi Akter, Tanjum Ahmed Nodee, Sanjida Akter Sathy, Ema Akter, Susmita Jahan Bristy; “*Perception and the Impact of Distance Learning on Students from the Science Faculty at Jagannath University, Dhaka during COVID-19: An Exploratory Study*”
- Sabia Sultana, **Md. Jubayer Hossain**, Wahid Arafat, Atik Shahriar Sammo, Bithi Akter, Tanjum Ahmed Nodee; “*Perception and the Impact of the Distance Learning on Bangladeshi High School Student's Health during COVID-19 Pandemic*”

PROJECTS

- Heart Disease Analysis and Prediction Using Machine Learning. [[Github](#)]
- Calories Burn Prediction using Machine Learning. [[Github](#)]
- Hepatitis Mortality Prediction using Machine Learning. [[Github](#)]
- Soaking temperature affected the length increase in beans (*Phaseolus vulgaris*) when they were soaked in water for 12 hours. [[Github](#)]

COMPUTATIONAL SKILLS

Programming Languages: Python, R, SQL, Julia, JavaScript

Statistical Softwares: SPSS, Google Sheets

Survey Tools: KoboToolBox, Google Forms

Tools & Softwares: \LaTeX , UNIX, Git, Github

TEACHING

Introduction to Scientific Computing for Biologist

Nov. 2020 – Jan. 2021

Course Website

Lead Organizer & Instructor

- Fundamental course on scientific computing for biologists. I taught Fundamentals of Biostatistics, Python, R Programming, Bioconductor, UNIX, Git, Github, and \LaTeX

Python for Health Data Analytics

July 2021 – July 2021

Course Website

Lead Organizer & Instructor

- Fundamentals course on health data analytics including data collection, data cleaning, data visualization, linear regression and logistic regression model building using Python.

Health Research ToolBox – A step by step guide for beginners

Start on December 2021

Course Website

Lead Organizer & Instructor

- Fundamentals course on health data analytics including data collection, data cleaning, data visualization, linear regression and logistic regression model building using Python.

AFFILIATIONS

Center for Health Innovation, Research, Action, and Learning –Bangladesh

June 2020 – Present

Founder & Management Lead

- The main focus of this group is to solve healthcare problems with the help of data in Bangladesh. The primary responsibilities include designing courses, data analysis, and team management.

Whitehope Academy

July 2016 – June 2020

Instructor

- I provided comprehensive tutoring in Physics and Chemistry to the students of 10th, 11th, and 12th grade.

Bio-Bio-1

July 2017 – Present

Team Member

- I was an active participant in their weekly study circle and learned a lot from them; especially, I learned bioinformatics techniques with the help of Python.

REFERENCES

Syeda Tasneem Towhid, Ph.D

Assistant Professor

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Mohammad Ariful Islam, Ph.D

Associate Professor

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