Md. Jubayer Hossain

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Academic Credentials

Bachelor of Science in Microbiology   Jan. 2016 – Jan. 2019
Jagannath University   Dhaka, Bangladesh

Master of Science in Microbiology   Jan. 2020 – Present
Jagannath University   Dhaka, Bangladesh

Working Papers

- *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**

- *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**

- *Dr. Md. Kamrujjaman, 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**

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]

Skills

Programming Languages: Python, R, SQL, Julia, JavaScript
Tools & Softwares: SPSS, Microsoft Excel, Github, LaTeX, KoboToolBox, Mendley, Turnitin

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

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Mohammad Ariful Islam, Ph.D
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