

ABU BAKAR SAYEM

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As a self-taught data analyst with a proven track record of leveraging **MySQL, Tableau, NumPy, Pandas, Matplotlib, Seaborn, Plotly**, and **Flourish** to extract meaningful insights and create visualizations, I'm eager to contribute my skills and collaborate in environments that can foster my potential. I'm currently developing my skillset by actively learning Machine Learning, with a keen interest in progressing to Deep Learning and GenAI afterwards.

CORE COMPETENCIES

Exploratory Data Analysis, Time Series Forecasting, Database Management, Data Wrangling, Data Visualization, Time Management, Teamwork, Leadership, Proactive, Multitasking, Communication, Field Research.

TECHNICAL SKILLS

Languages & Libraries: SQL (*MySQL, BigQuery*), Python (*Numpy, Pandas, Matplotlib, Seaborn, Plotly*), HTML, CSS.

Tools & Technologies: Tableau, Looker Studio, Flourish, Jupyter Notebook, Google Colab, MySQL Workbench, Visual Studio Code, WordPress, Mendely, Canva, Trello, Notion, Slack, Miro, Google Suite, Excel.

WORK EXPERIENCE

Research Data Analyst

06/2024 - 10/2024

International Institute of Law and Diplomacy

- Developed a comprehensive database from scratch by executing data preprocessing and conducting feature engineering, utilizing Google Sheets and Pandas;
- Created interactive charts and graphs using Matplotlib, Seaborn, Plotly, Canva, Flourish and Tableau, effectively illustrating key insights and trends;
- Produced interactive geographical maps using Flourish, effectively visualizing district-level data across Bangladesh;
- Conducted various types of analysis, synthesized insights, and produced comprehensive reports, impacting decision-making processes and strategic planning.

Team Lead, Bangladesh Operations

10/2019 - 02/2021

Youth Opportunities

- Administered the end-to-end process of opportunity management at Youth Opportunities, including sourcing, posting, assigning among interns, reviewing, and publishing opportunities, resulting in a streamlined and efficient workflow;
- Applied design skills to create visually appealing feature images for posted opportunities, contributing to increased engagement and user interaction;
- Developed a performance dashboard based on KPIs, illustrating monthly team performance and streamlining data visualization;
- Managed the WordPress dashboard meticulously, guaranteeing accuracy in content before publication, contributing to a seamless user experience.

PROJECTS

Impact of Air Pollution on Human Health | [Project Link](#)

- Analyzed specific causes of air pollution-related deaths, focusing on outdoor sources like transportation and industrial emissions. Along with household sources such as solid fuel usage for cooking and heating;
- Identified regional disparities in death rates, emphasizing areas with a higher vulnerability to the adverse effects of air pollution;
- Utilized technologies like numpy, pandas, matplotlib, seaborn, plotly, and race bar charts for a comprehensive analysis.

Understanding Suicide Trends: Around the World | [Project Link](#)

- Analyzed global suicide data to identify patterns and trends across different age groups;
- Utilized advanced data analysis technologies including numpy, pandas, matplotlib, seaborn, plotly, and race bar charts, to facilitate a comprehensive examination of suicide-related data and support evidence-based strategies for addressing this global public health concern.

EDUCATION

Bachelor of Social Sciences in International Relations

2018 - 2022

University of Dhaka

Dhaka, Bangladesh

Relevant Coursework: *Quantitative Methods in Social Research/Statistics 101 - (Measures of Central Tendency, Measure of Dispersion, Correlation Analysis, Regression Analysis, Hypothesis Testing).*