

Matthew Maslow

Greater Boston | 617-433-0501 | mjmaslow13@gmail.com | [LinkedIn: matthew-maslow](#) | [Maslow Portfolio](#)

EDUCATION

Boston University Boston, MA
May 2025
Master of Science in Data Science
Courses: Bayesian Statistics, AI Ethics, Machine Learning, Deep Learning, Medical Science, Financial Analytics

St. Lawrence University Canton, NY
May 2024
Bachelor of Science in Data Science
Courses: Mathematical & Applied Statistics, Advanced Statistical Models, Database Systems, Data Science

SKILLS

Programming: Python, R (RStudio), Excel, SQL, HTML
Tools: Jupyter Notebooks, DataGrip, VS Code, Git, MySQL, Microsoft Azure, APIs, JSON, Power BI, Tableau
Certificates: CITI, HIPAA

PROJECTS

Boston University February 2025-May 2025
Bitcoin Sentiment Analysis Using Machine Learning and Azure-Based ETL

- Built Azure-based pipeline to process and train machine learning model for anomaly detection on historical crypto price and sentiment data, supporting future integration with real-time analytics and Power BI dashboards for marketing insights

Tree-Based Beta Regression for Metatranscriptomics November 2024-December 2024

- Developed Bayesian framework using beta regression and Gibbs sampling to model microbial abundance from RNA-seq data, addressing hierarchical taxonomic structures and missing data for improved differential abundance analysis

Save The Children: Catch-Up Clubs October 2024-December 2024

- Built predictive models (math, literacy) with team of 5 to analyze student retention in Uganda, Nigeria, and the Philippines; Identify key risk factors, implemented interactive dashboard to support data-driven interventions and presented to client

RELEVANT EXPERIENCE

Tufts Medical Center | Boston, MA
Data Research Analyst July 2025-Present

- Conduct data analysis and biostatistics on hemodynamic data using R and Excel, including data cleaning, manipulation, and predictive modeling to identify outcome predictors for patient modeling with pulmonary hypertension
- Support two cardiovascular research projects: 1) Mortality prediction in patients with pulmonary hypertension. 2) Echocardiographic assessment of right ventricular function and size.

Brown University Health (formerly Lifespan) | Providence, RI
Data Science Intern June 2024-December 2024

- Analyzed ICU sepsis patient data from MIMIC-IV implementing uniform distribution to prevent data bias
- Supported Dr. Maya Cohen and Ray Tanzer, refined data and presented updates, and recommended next steps

Research Assistant July 2023-August 2023

- Conducted statistical analysis in RStudio, performed hypothesis testing on systolic pressure variations, and contributed to "Hemodynamic Monitoring in The Cardiac Surgical Patient" (Journal of Cardiothoracic and Vascular Anesthesia)