JAISAL AMIN

CONTACT

jaisal.amin@gmail.com

(919) 608-7955

110 Bardsey Ct. Cary, NC 27513

jaisalamin.github.io

EDUCATION

COLUMBIA UNIVERSITY
New York, NY

MS – Biostatistics
May 2020

NORTH CAROLINA STATE UNIVERSITY
Raleigh, NC

BS – Biological Sciences
Concentration: Neurobiology
Minors: Genetics, Hindi
December 2017

ADDITIONAL SKILLS

R
SQL
SAS (BASE, MACRO, STAT, etc.)
Advanced MS Excel
Data visualization
Database management
Study design
Sample size calculation
Statistical inference and modeling
Advanced statistical methods
Excellent organizational & time management skills
Strong written & verbal communication

EXPERIENCE

BIOSTATISTICS INTERN
NYU Langone Health | *New York, NY*
February 2020 – Present

- Utilized statistical approaches such as logistic regression analysis, survival analysis, and model building techniques to analyze data collected from patients living with traumatic brain injury (TBI)
- Wrote program code to analyze and model associations between demographic traits and TBI using R and SAS
- Prepared statistical data for inclusion in reports to data monitoring committees and IRBs
- Cleaned, transformed, consolidated, and manipulated large datasets using R, SPSS, and SAS
- Supported projects to create resources for patients and healthcare providers using qualitative data analysis

CELL CULTURE DEVELOPMENT CO-OP
Biogen | *Durham, NC*
January 2018 – June 2018

- Analyzed bioreactor data to support the development of a more efficient drug manufacturing process
- Designed research studies in collaboration with chemical engineers, life scientists, and biostatisticians
- Determined project plans, timelines, and technical objectives for biological research studies
- Worked both independently and with a team to meet deadlines and solve problems
- Prepared reports and presentations for upper-level management on success and viability of the project

DEVELOPMENTAL NEUROBIOLOGY RESEARCH INTERN
National Institute of Environmental Health Sciences | *Durham, NC*
May 2016 – December 2017

- Conducted a variety of both qualitative and quantitative assays aimed at examining the relationship between hormone-release and appetite
- Developed methods to statistically quantify behavioral cues and changes observed in animal subjects throughout the course of the experiment
- Analyzed many different data sets using regression and multivariate analysis
- Created and managed databases for various ongoing studies
- Prepared dozens of graphs, tables and figures for symposiums, publications, and grant proposals