KATHRYN ADDABBO

908-655-6722 ✦ kaddabbo@gmail.com ✦ https://www.linkedin.com/in/kathrynaddabbo ✦ https://kaddabbo.github.io/

Biostatistician seeking employment. Experience working in an insurance analytic capacity with prior exposure to pharmaceutical, neurobiology laboratory and advertising environments. Adaptable troubleshooter accomplished in data cleaning/aggregating, statistical modeling and machine learning.

- **Competencies:** R, Shiny, SQL, Tableau, Alteryx & MS Office
- **Applied Skills**: Advanced critical thinking and problem-solving abilities
- **Gifted Technical Communicator:** Outstanding verbal and written communication abilities with proven expertise presenting data to stakeholders.

EDUCATION

Master of Science, Biostatistics | Columbia University, Mailman School of Public Health

Coursework in Biostatistical Methods, Data Science, Probability, Statistical Inference, Longitudinal Data Analysis, Epidemiology & Randomized Clinical Trials

Bachelor of Science, Biochemistry | University at Buffalo, The State University of New York (SUNY)

Coursework in Biochemistry, (Physical, Organic & Inorganic) Chemistry, Calculus, Linear Algebra & Differential Equations

PROFESSIONAL EXPERIENCE

HEALTHFIRST: New York, NY   June – August 2018

Clinical Informatics & Analytics Intern

Evaluated whether distance from a member's home to their primary care provider's office was indicative of the number of preventable admissions (PQIs) said individual had over a period of two years. Information obtained via in-patient claims.

- Coordinates were obtained through Google Maps API and distances were calculated using Alteryx.
- Public transit accessibility was observed using NYC Open data.
- Tableau dashboards were built to visualize PQIs at the primary care provider level.

COLUMBIA UNIVERSITY: New York, NY   November 2017 – December 2018

Student Projects

Various group projects completed while enrolled in the master's program:

- Unsupervised learning to predict mutation class (benign or pathogenic) using various pathogenicity likelihood, 3D clustering and evolutionary conservation scores.
- Longitudinal analysis of health outcomes effected by smoking with data from the Framingham Heart Study.
- Supervised learning methods investigating what covariates influenced price and used unsupervised machine learning methods to attempt to predict borough location with data from Airbnb in New York City.
- Exploratory analysis of tweets in the United States over a 48-hour time period, incorporating sentimental analysis.

HUNTER JAMES KELLY RESEARCH INSTITUTE: Buffalo, NY   January 2015 – May 2016

Research Assistant | Laboratory of Dr. Laura Feltri

Investigated whether the absence of specific alpha or beta integrin subunits affect the early stages of myelination. Collaborated on a 3-person research team and worked independently performing tests, analyzing results and reporting findings.

Neurobiology laboratory experience in immunohistochemistry staining, polymerase chain reaction and cell culture techniques (Schwann cells and DRG co-culture specifically). Performed mouse sciatic nerve, rat embryo spinal cord and DRG dissection.

CELGENE CORPORATION: Basking Ridge & Berkeley Heights, NJ   Summers & Winters 2013 – 2016

Pharmaceutical Intern | Global Regulatory Chemical Manufacturing & Controls

Assisted with the preparation of documents and protocols necessary for drug trial submission. Updated standard operating procedures (SOPs) and manufacturer impurity information to fit regulatory and compliance needs.

- Drafted change notices and quality overall summaries (QOSs)
- Produced stability tables to submit to FDA
- Modified and integrated new acquisition drug trial documents with Celgene's regulatory guidelines