

KATHRYN ADDABBO

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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, 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