

Prince Abunku

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EDUCATION

New York University	New York, NY
<i>Master of Science in Urban Informatics</i>	August 2018
GPA: 3.7	

University of Cincinnati	Cincinnati, OH
<i>Bachelor of Science in Statistics</i>	April 2017

SKILLS AND ACHIEVEMENTS

Python, R, Excel, Hadoop, Hive, SQL, Tableau

Certificate in Managing Big Data with MySQL by Duke University on Coursera

- 5-week course that was 8-12 hours per week covering how to build relational schemas to writing advanced queries to answer detailed business questions. This course used real world data from Dillard's and Dognition

DATA ANALYSIS EXPERIENCE

New York University	New York, NY
<i>Graduate Research Assistant, Marron Institute</i>	October 2017-August 2018

Project: Sensing Community Disposition Project

- Developed a pipeline using Twitter's API for streaming and saving tweets to collect data and tracked tweet locations in configuration files for 22 major U.S cities
- Performed daily sentiment analysis on collected tweets regarding criminal justice trends
- Utilized python to plot and create a heat map showing the number of tweets and the sentiment analysis scores based on specific keywords for each city
- Generated weekly reports showcasing changes in the sentiment analysis scores in 22 cities

Project: Measuring Student Performance through Randomized Controlled Trials

- Analyzed student performance data in an effort to determine the factors that impact student success
- Created a model to predict open-ended question scores when evaluating student performance
- Evaluated teachers' grading procedures and the effects on student performance
- Utilized Python and Excel to create visualization and presented data to project advisor

Huntington National Bank	Columbus, OH
<i>Data Analyst Intern, Enterprise Fraud Team</i>	May 2016-August 2016

- Used SAS to convert 12+ semi-structured text files into SQL tables, significantly improving search time
- Built a client incidents dashboard to support the AML/BSA team in determining clients' standing
- Created a relational schema to link multiple databases of credit card and customer information
- Developed a decision-tree model to determine more accurately indicators of fraudulent account activity

RELEVANT PROJECTS

<i>Measuring Fairness in Texas Traffic Stops</i> , New York University	Spring 2018
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- Utilized data from the Stanford's Open Policing Report to perform several tests of discrimination across different counties in Texas for several population groups. This accumulated into a website showcasing interactive visualizations of the test results using D3 and JavaScript

<i>News Event Classifier</i> , New York University	Summer 2018
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- Developed a model using Python to classify and categorize news stories from 4 major news outlets into various clusters based on article content