

Juliann E. McEachern

Experienced Analyst and recent M.S. graduate in Data Science. Equipped with a passion for machine learning and a knack for problem solving. Actively seeking exciting and meaningful job opportunities in media.

Brooklyn, New York

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github.com/jemceach/



Education

City University of New York, School of Professional Studies

M.S. in Data Science

New York, NY

Aug 2018 - Jan 2020

- **Latin Honors:** Graduated summa cum laude
- **Relevant Coursework:** Data Acquisition and Management, Statistics, Computational Mathematics, Business Analytics, [Advanced Programming Techniques](#), [Recommender Systems](#), [Network Analytics](#), and [Predictive Analytics](#)
- **Projects:** [Master's Research Project](#), [Bipartite Networks Project](#), [Predictive Modeling Report](#), and [Time-Series Project](#)

University of Massachusetts Amherst

B.B.A. in Management, Economics and Psychology

Amherst, MA

Sep 2010 - May 2015

Experience

City University of New York, School of Professional Studies

Master's Research Project

New York, NY

Aug 2019 - Dec 2019

- Researched the relationship between conflict minerals and armed violence in the Democratic Republic of the Congo using time-series, geo-spatial, and geo-temporal research methodologies using R.
- Prepared and analyzed public mining permits, armed conflict records, and global mineral price indices datasets.

U.S. Department of Labor, Bureau of Labor Statistics

Economist, National Compensation Division

New York, NY

Jan 2017 - Jan 2019

- Collected, analyzed, and reported labor statistics pertaining to U.S. labor market activity and working conditions.
- Conducted 20% fieldwork per week to acquire data from assigned businesses located in the NY-New England region.
- Secured 97% cooperation from voluntary survey respondents and received superior performance appraisal for excellent client-facing communication, effective data processing strategies, and high-quality analyses.
- Prepared custom outreach and data products to build and maintain relationships with survey respondents.
- Developed and maintained a database to increase travel and response efficiency by organizing and querying assignments by geographic location and status (using SQL and MS Access IDE).

NYC Mayor's Office of Management and Budget

Budget Analyst, Labor Contract Division

New York, NY

Apr 2018 - Aug 2018

- Prepared budgetary analyses for the Executive Director of Budget pertaining to Citywide labor contract and job titles.
- Analyzed compensation data and legal briefs to support Office of Labor Relations' collective bargaining negotiations.
- Researched and presented the financial impact of policy proposals for projects including parity pay adjustments for several municipal job titles as well as the 2018 New York State minimum wage increases.

Massachusetts Air National Guard

Financial Analyst

Falmouth, MA

Sep 2010 - Sep 2017

- Enlisted Staff Sergeant responsible for preparing, analyzing, and presenting financial research for the Comptroller.
- Processed payroll, audited travel claims, provided customer service, and trained military personnel on travel systems.
- Decreased the recuperation time for outstanding military travel obligations by 32% through developing and implementing a SQL database to automate financial research tasks.

Selected Skills

R • Python • SQL • Data Mining • Data Optimization • Data Visualization • Machine Learning • Natural Language Processing • Recommender Systems • Spatial Analytics • Predictive Modeling • Quantitative Analysis