

Dan Murphy

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Experience

PSEG Long Island | Hicksville, NY | **Lead Analyst** 2016 – Present

- Responsible for all reporting, analysis, and data management related to employee safety.
- Used simulation and regression models to predict the likelihood of meeting annual targets.
- Authored R scripts to wrangle data from different sources (APIs, CSV files) to automate reporting processes.
- With R markdown files, created interactive reports with html widgets (Plotly and Leaflet) to identify injury trends and high risk driving locations.
- Using Tableau, created dashboards to allow interactive exploration of injury and motor vehicle accident data.
- Presentation of results and analysis to senior leaders.

West Islip Public Library | West Islip, NY | **Trainer** 2015 – Present

- Created a Node.js Express [web application](#) with Auth0 integration to advertise programs between libraries.
- Evening training classes in Excel (Intro, functions, pivot tables and charts), PowerPoint, and Google Apps

Cleary Gottlieb Steen & Hamilton | New York, NY | **Information Specialist** 2010 – 2014

- Managed a client-facing website tracking the regulatory implementation of the Dodd-Frank financial reforms.
- Trained attorneys on Knowledge Management tools via formal presentations and interactions on the KM Help Desk.
- Solved ad hoc challenges requiring project management, data analysis, and general technical understanding of KM software.
- Created extensive help documentation for all KM applications on the firm's wiki platform.

Education

Baruch College, Zicklin School of Business | New York, NY | **MS in Quantitative Modeling**, GPA: 3.54 2014 – 2016

- Courses Completed: Advanced Statistical Computing, Object-Oriented Programming in C++ (2 semesters), Data Mining for Business Analysis, Quantitative Modeling, Modern Regression Analysis, Simulation Modeling and Analysis

St. John's University | Queens, NY | **M. Library Science**, GPA: 3.86 2008 – 2010

- Concentration in information technology

Providence College | Providence, RI | **BA in Economics**, GPA: 3.68, Major GPA: 3.81 2003 – 2007

- Liberal Arts Honors Program (by invitation) with Providence College Dean's Scholarship

Projects

Suffolk Library Programs | Creator 2020

Kaggle Project – NHL Game Data | Creator 2019

- Demonstrated [data visualization](#) and data wrangling skill set (ggplot, plotly, R markdown)

Web App - Public Library Peer Groups | Creator 2018

- Used the shiny package in R to create a [web app](#) mapping library peer groups for all public libraries in New York. Used a K-nearest neighbor approach across several measures to identify similar libraries.

Web App - "When should I sell my Bitcoin" Retirement Calculator | Creator 2019

- Created a JavaScript [web app](#) using plotly to assess how a one-time investment affects retirement considerations.