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.
- 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.
- Used simulation 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.
- Presentation of results and analysis to senior leaders.

West Islip Public Library | West Islip, NY | *Librarian* 2015 – Present
- Evening training classes in Excel (Intro, functions, pivot tables and charts), PowerPoint, and Google Apps

Cambridge University Press | New York, NY | *Enterprise Analyst* 2014 – 2015
- Created Excel templates to simplify author contract management and validation of bibliographic info.
- Completed business analysis for changes to CUP's proprietary bibliographic database. Tracked and directed changes by an offshore development team using JIRA during the company's overhaul of interdependent systems.

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

Data Projects

Web App - Retirement Calculator | *Creator* 2019
- Created a [web app](#) using JavaScript to assess how different investment scenarios affect retirement considerations featuring dynamic data visualization using plotly.

Kaggle Project – NHL Game Data | *Creator* 2019
- Demonstrated [data visualization](#) skill set (ggplot, plotly, R markdown) in a 2nd place Kaggle project.

Web App - Public Library Peer Groups | *Creator* 2018
- Using a K-nearest neighbor algorithm, created a Shiny [web app](#) to map and provide data on the 25 closest statistical peers for each public library in New York.