

# DAVID RAMEAU

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## EDUCATION

**New York University**, College of Arts and Sciences, New York, NY

Bachelor of Arts in **Mathematics**

Minors: Computer Science, French

2018

## RELEVANT PROJECTS

### Tableau to git Loader:

Delivered a python script that loads daily snapshots of report content from a Tableau Server to git repository. This script leverages the Tableau Server API to pull report data as XML and push it to a remote git repository for version control.

From there, other python scripts parse this report data to populate spreadsheets feeding reports which can, for example, search the reports by data source, presence of key fields/filters, etc. Script uses caching to improve runtime performance.

### Mind the Gap:

A Tableau story with analysis of public wage data and parity by select demographics. This story uses the TabPy service to incorporate python scripts for analysis of the data using pandas, SciPy, and NumPy.

### The Rats Notebook:

Jupyter notebook of statistical analysis of Department of Health and Mental Hygiene rat sightings location and response time data by borough by neighborhood (NYC Open Data). Term project for NYU's MATH-UA 234, Mathematical Statistics. Made rigorous use of hypothesis testing (with methods to reduce the False Discovery/Rejection Rate), interval & parametric testing/estimation, multivariate regression, confidence interval estimation.

## WORK EXPERIENCE

### Analyst, Data & Analytics • Slalom Consulting

Nov 2019 - Present

- Supported the reporting team of a high-profile public sector client by:
  - Building and optimizing Tableau Desktop and Mobile dashboards for business users, admins, executives.
  - Documenting, troubleshooting, and writing stored procedures and views in SQL Server Management Studio.
  - Working as a Tableau Server Administrator and leveraging the Tableau Server Postgres database to create detailed reports of usage and user access information.
  - Contributing DDL work and data normalization work to assist the client's Data Engineering team in their ongoing data warehousing project.
  - Spearheading, as a part of the Slalom transformational consulting effort, the creation an automated QA process for the client's Tableau dashboards absent dedicated software like kinesis-ci. My work includes:
    - Collaborating with business analysts to define test cases and to write a suite of automated regression, functional, and unit tests for critical Tableau reports in JavaScript, leveraging the Tableau JavaScript API.
    - Writing Python scripts, like the **Tableau to git Loader**. Other python scripts include a Tableau/SSRS PDF Mass Downloader and Merge Service, which mass generates PDF versions of Tableau and SSRS reports by URL, downloads these reports, and merges them. This script uses multi-threading, the selenium library, and PyPDF to generate, download, and merge pdfs concurrently.
- Participated in a Slalom data analytics/consulting bootcamp. Capstone was a dashboard that used Snowflake, Alteryx, Tableau, and NLP to perform data warehousing, ETL, and analysis of customer review data for a hoteling company.

### Intern, Data Visualization and Discovery • Slalom Consulting

Summer 2019

- Designed analytics dashboards in Power BI & Power BI Report Builder for Retail and Food Service clients. Learned business data visualization best practices from other industry professionals and licensed Slalom coursework.
- Performed data modeling and cleaning in SQL, Tableau, Excel, and Power BI (DAX, M Query). Created a PoC for Power BI (Paginated) Report Builder and a demo of Power BI Robots report emailer.
- Learned the essentials of consulting as a business, project lifecycles, client-facing skills, etc.
- Co-facilitated a discussion for REACH, Slalom's Black and African American affinity group. Created a Tableau visualization on wage gaps with python integration for basic analysis of time series data.

### Mathematics Instructor, Academic Advisor • Empire Edge

2019

- Certification in content areas: Calculus (1 & 2), Pre-Calculus

### Assistant Teacher & Counselor • Yleana Leadership Foundation

Summer 2018

- Used Power BI to analyze student exam performance, broken out by question type, topic, difficulty, etc.
- Cotaught intensive SAT prep classes for over 100 students from low-SES urban cities on the east coast.
- Counseled, facilitated classes on entrepreneurship, social issues, and emotional management.

## TECHNICAL SKILLS

**Data:** Python | Tableau, Power BI | Microsoft SQL Server Management Studio | Excel | Alteryx | Snowflake | Power BI Paginated Report Builder

**Programming:** JavaScript | C | Java | Object-Oriented Programming | Test-Driven Development

**Project Management:** Liquid Planner, JIRA

## LANGUAGES

English  
French  
Haitian Creole