

GEOFFERY MULLINGS

Websites: <https://GeoffMullings.com/portfolio/> / <https://github.com/GMullings>

Financial analyst experienced in machine learning and other data science techniques used to turn data into predictive models, engaging visuals, and actionable insights.

EXPERIENCE:

Community Gaming, 40 Hours Per Week

- **Gaming Token Economist, Remote, March 2022 – November 2022**

- Led the Tokenomics Department responsible for researching, designing, testing, and implementing token economy designs, supervising analysts tasked with data analysis, market research, brainstorming, and applying economic reasoning to case study analysis.
- Designed reward structures utilizing behavioral economics to improve token economy KPIs, user retention, and facilitate external partnerships.
- Designed token economy ideas, validated them within Excel/Google Sheets models, and presented them to internal stakeholders including CEO and other department heads.
- Collaborated with product and development teams to create new features for the platform, balancing sinks and faucets in a Play2Earn context to ensure adequate incentives and mechanisms for productive user participation.
- Modeled various versions of the token economy in Google Sheets to validate flows and token holder balances.

City University of New York, Borough of Manhattan Community College, 6 Hours Per Week

- **Adjunct Lecturer, New York, NY, August 2016 – December 2021**

- Designed, and delivering an immersive, intensive curriculum in postsecondary Macroeconomics and Introductory Economics, particularly using Google Sheets and Excel games I built to enhance student understanding of underlying economic theories.

NYC Mayor's Office of Management and Budget, 40 Hours Per Week

- **Senior Budget Analyst, New York, NY, July 2016 – November 2021**

- Collected economic data from multiple local, state, and Federal systems to prepare reports, and utilized R, SQL, and Eviews software packages to conduct econometric and statistical analysis on the data to accurately predict revenue for the City's nearly \$100B budget.
- Modeled up to \$15B in multi-stream personal income tax collections in Excel using advanced features.
- Developed machine learning techniques to identify relevant predictors of public finance variables and to further develop personal income tax revenue forecasts that were 80% less volatile compared to actual collections.
- Performed quantitative and qualitative analysis to assess both Dept. of Social Services (DSS) and City tax revenue programs to support Mayoral decision making.
- Utilized SAS and other software packages to process, manipulate, and conduct econometric and statistical analysis of large tax filer datasets.
- Developed and replicated economic research designs related to analyzing tax filer behavior in studies using national data to predict NYC public finance outcomes.
- Identified problematic issues and reporting discrepancies and provided appropriate recommendations to stakeholders and leadership.
- Communicated effectively and persuasively, both orally and in writing, by preparing in depth data reports for City and Mayoral leadership on Dept. of Social Services (DSS) programs effectiveness.

Kivvit/ASGK Public Strategies (Formerly M Public Affairs), 40 Hours Per Week

- **Financial and Administrative Coordinator, New York, NY, June 2015 – June 2016**

- Used Excel to model firm's financial books, determine trends, and provide forecasts of future components and tracked receipts and expenditures related to over 200 clients according to GAAP.
- Formalized processes for more accurate data collection and analysis from employees to model relationships between time worked and client billing.

EDUCATION:

Baruch College, Zicklin School of Business, New York, New York; 2015

Master of Business Administration (Economics, and Marketing)

Fordham University, College at Rose Hill, Bronx, New York; 2011

Bachelor of Science (Psychology (minor in Communication and Media Studies)

SOFTWARE SKILLS

Eviews, R, Python, Git, SAS, SQL, SPSS, STATA, Machine Learning