

Shuvam Bhowmick

shuvam.bhowmick@baruchmail.cuny.edu

Contact Information:

Cell (347) 834 0219

Permanent Address:

Floral Park, NY

EDUCATION: Baruch College, New York, New York
BBA in Economics, double minor: Math and Data Analytics GPA:3.6

Expected graduation date: May 2023
Stuyvesant HS: 2015-2019

RELEVANT COURSES:

- Stat/graph theory/discrete probability
- Data Mining for Business Analytics
- Financial Control Functions
- Econometrics
- Operations Management
- SQL/STATA/R/TABLEAU
- 4 years of Excel Recitations
- Bus Law & Policy Theory
- Managerial accounting

Opportunity Insights with the University of Chicago Student Researcher July – August 2022

- One of 40 applicants attending Predoc.org economic summer research opportunity. Examined economic policy theory while using empirical analysis(using STATA) to understand the granular causal effects of social variables and their impact on topics involving ethnic disparities, education, equality distribution, and climate change.

Research Projects:

- "Effect of Household Structure on Upward Mobility in NYC"
- "Unleashing the power of Statistics on Stock Data: A Comprehensive Approach to Classification using Naïve Bayes, KNN, Logistic Regression, and SVM"
- "Visualizing Medical Costs of Humana Inc. Synthetic Insurance Claims using Tableau."

To view projects, please Visit: <https://shuvbk.github.io/shuvambhowmick.github.io/>

Clubs:

Baruch FES Member of Research Committee October 2019-May 2021

- Developed relative and intrinsic valuation models using assigned company financials derived from customized query parameters included in market screening software(marketXLS). Screened for transparency in government tax incentives as well as the effectiveness of legislation using AETRs and METRs derived from multinational enterprise datasets.
- Constructed presentations conceptual decision models{with entropy-adjusted attribute values} on PowerPoint.

Baruch Traders Club Technical Coordinator January 2020-Present

- Tested database efficiency for reduced latency and optimal request pathways between school admin devices. Evaluated the most up-to-date features for robust live market data integration.

EXPERIENCE:

MJEsentials.com Personal E-commerce Website March 2019-Present

- Customized SEO hash URLs with google keywords and used web scraping tools (Octoparse) to track competitor pricing.
- Cross-referenced cloud financial data with WIX eCommerce sales using Performance Canvas by BSPanel to formulate personal financial reports of monthly budget performance. Customized excel macros to automate monthly reporting procedures.
- Hyper tuned performance variables for micro servicing on python to build a data processing pipeline with machine learning algorithms, analyzing data flow discrepancies within each instance of my sales(~\$10,000) & expense distribution framework.

Especially Puglia Accounting/Logistics Intern October 2020- March 2021

- Analyzed the company's QuickBooks data and verified bank transactions with company records. Engaged in ERP applications (SAP and Microsoft Dynamics) to archive monthly trial balances and ledger inputs for short-term budget analysis.
- Produced MOH reports with an intern team of 4 and processed templates for delivery/sales invoices and payroll documents.
- Annotated virtual client meetings and updated outstanding invoice documentation.

SEAL Awards Environmental Impact Intern Jun 2022 – September 2022

- Improved the effectiveness of two environmental campaigns(#UptheCup and Eco Rewards initiative) using institutional partnerships(NGOs, green banks, regulators, and suppliers), social media, and business intelligence software. Created media posts describing helpful actions through eco rewards, an alternative credit card that donates a percentage of cash back to environmental organizations. Aim of campaign: bring awareness to the microplastics entering the recyclable ecosystem because of falsified marketing schemes.

LEADERSHIP:

Greater Ridgewood Youth Council Volunteer March 2021 - September 2021

- Lead elementary and middle school classes in the Summer Youth Development Program at Sunrise Middle School.
- Conducted logic/arithmetic courses as a group counselor.

CUNY Tutor Corp Algebra Tutor (Part-Time) March 2023 – June 2023

- Working with teachers and students at Martin Van Buren High School for Algebra Regents Preparation.

Thank You For reading, and I hope we get to speak soon!

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Description of Research Projects:

“Effect of Household Structure on Upward Mobility in NYC”

In this paper, I investigate how differences in household structure effect upward mobility, specifically in two boroughs of New York: Queens and Brooklyn. In part 2 of the paper, I attempt to prove the causal effect between the proportion of a specific household type in a region and upward mobility. I used Stata for graphs, linear regressions, and statistical testing. This paper was initially written during the Opportunity Insights Summer 2022 Course : “Using Big Data to Solve Economic Problems using Stata.” I expanded on my original final project and still continuously looking for a better quasi-research design to strengthen my analysis.

“Unleashing the power of Statistics on Stock Data: A Comprehensive Approach to Classification using Naïve Bayes, KNN, Logistic Regression, and SVM”

This final paper was written for a Computer Information system course: CIS 3920, “Using Data Analytics for Economic Analysis”. I wanted to compare 4 different statistical classification methods on the Return and Risk of CFIndustries stock. I tested many tuning parameters within each classification method to create unique graphs. It was interesting to see the non-intuitive insights uncovered through experimentation. I used the ISLR textbook (Gareth James et. Al.) for guidance.

“Visualizing Medical Costs of Humana Inc., Insurance Claims on Tableau”

This project aimed to create an interactive dashboard of medical claims data, bringing awareness to medical cost accounting discrepancies and claim statistics. I used Humana Inc. (Insurance Company) Synthetic Data to develop the dashboard on Tableau.

“Using Statistical methods to analyze the efficiency, flexibility, and social responsibility of U.S. Electricity Markets” (in progress)

This project is meant to broaden my understanding of the operational efficiency and social/environmental responsibility of the U.S. electricity markets using EIA energy and fuel datasets. A sample newsletter highlights some of my insights and skepticism about how electricity is priced in the European Union and the United States which can be found on my website below.

All Projects can be found on the following Website: <https://shuvbk.github.io/shuvambhowmick.github.io/index.html>