Pavlo Mysak

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EDUCATION

Boston University   Boston, MA
M.S. Data Science   August 2025 – Expected May 2026
    Coursework: Bayesian Statistics, Mathematical Statistics, Machine Learning, Deep Learning

State University of New York at New Paltz   New Paltz, NY
B.S. Business Analytics; Minor in Economics   August 2022 - May 2025
    Summa Cum Laude, GPA: 3.94/4.0
    Exceptional Student Leader Award · Dean's List (2022-2025)
    Coursework: Machine Learning, Data Management, Time Series Analysis, Linear Programming

WORK EXPERIENCE

La Tourangelle   Remote
eCommerce Analyst   Nov 2023 – Present
eCommerce Analyst Intern   Apr 2023 – Aug 2023
- Developed an ML pipeline (PyTorch) using multitask learning to forecast intermittent demand, jointly training classification and regression objectives; reduced PO errors and saved $300k annually.
- Engineered a web-app for shipment planning, integrating LightGBM forecasts, EOQ optimization, and custom algorithms to auto-recommend future shipments.
- Spearheaded ETL pipeline development using Python to schedule data flow from Amazon API to internal reports, automating predictive workflows and saving 6+ hours weekly.
- Researched consumer price sensitivity and market trends, uncovering behavioral patterns to support pricing and promotional decisions.
- Built an automated sentiment analysis pipeline in Python, scraping and analyzing Amazon reviews, using NLP models (HuggingFace) to summarize consumer preferences, guiding product & marketing strategy.
- Designed and deployed four interactive dashboards to track sales and marketing KPIs.

SUNY New Paltz   New Paltz, NY
Teaching Assistant, Research Assistant   Jan 2024 – Jun 2025
- Provided support and led lab sessions for 60+ students across three undergraduate courses, covering data visualization (Tableau), database management (SQL), statistical analysis (R), and advanced business analytics (ML).
- Conducted research on 'AI Applications in Online Retail' and 'The Impact of AI Popularity on Stock Volatility and Returns', responsible for coding, modeling, and analysis.

IZEA   Remote
Data Analytics & Strategy Intern   Jan 2023 – Apr 2023
- Developed 15 interactive Tableau dashboards to visualize marketing data and facilitate data-driven decision making.

ACTIVITIES & PROJECTS

[Business Analytics Competition @ Manhattan College](#)   NYC, NY
Top 3 Overall out of 21 Teams   May 2024
- Conducted a causal inference analysis using fixed effect regression discontinuity design (RDD) model to quantify the impact of COVID-19 on nursing home financial performance from 2015-2022.

Project Lead | SUNY New Paltz: Business Analytics Club Consulting Initiative   Jan 2025
- Founded and led a consulting project with local hospitality business.
- Managed 10-person analytics team, overseeing client engagement and dashboard development.

SKILLS

Languages: Python, R, SQL
Libraries/Tools: Numpy, Pandas, Scikit-Learn, PyTorch, Tableau, Excel
Techniques: Regression, Classification, Causal Inference (RDD, DiD, PSM, Synthetic Control), Clustering