Katherine (Ryan) Veytsman

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EDUCATION

Master of Science in Business Analytics (STEM)   August 2021
Boston University Questrom School of Business; Boston, MA

Bachelor of Science in Business Administration ~ Information systems, Big Data & Business Analytics   May 2020
Suffolk University Sawyer Business School; Boston, MA
Summa Cum Laude, Honors, GPA: 3.97 / 4.0

RELEVANT WORK EXPERIENCE

Analytics Development Program Intern   May 2019 - August 2019
Liberty Mutual Insurance, Boston, MA

- Analyzed 200 qualitative and quantitative data points on same day binds; generated insights and visualizations leveraging SAS, PowerPoint, and Power BI, which informed senior leadership about fraudulent claims
- Aligned proposed data-driven solutions with Underwriting department goals by collaborating weekly with internship sponsor/mentor, manager, and 11 team members
- Created and automated dashboard to enable product team to receive weekly insights, which ensured team could mitigate fraud in a timely manner as they rolled out new territories

Research Assistant   May 2018 - May 2019
Suffolk University, Information Systems Department, Boston, MA

- Executed finalization of 3 inputs, 2 intermediates, and 3 output variables measuring efficiency of US higher education institutes by applying Data Envelopment Analysis model unto 68 Massachusetts Universities.
- Reviewed 132 Data Envelopment Analysis applications of insurance industry efficiencies published in European Journal of Operational Research to ensure data accuracy and redeuced administrative load for professor
- Coordinated with Professor, examining 400+ universities and 78+ variables, presented at Advances in Decision Analysis 2019 conference about efficiency of resources in producing degrees and influence of funding.

RELEVANT SKILLS

Technical Skills: Microsoft Office Suite (Word, Powerpoint, Excel), Access, SQL, Tableau, Python, SAS, Java, HTML5, CSS, SPSS, R, Stata, Agile, Data Modeling, ETL Mapping, VBA, Power BI, SAP

Coursework: Data Science and Analytics, Big Data, Business Intelligence, Information Systems, Operations, Marketing Analytics, App Development, Database Management, Econometrics, Data Privacy, ERP & Process Reengineering

Certifications: SAP Student Recognition Award, College Reading and Learning Association Level 1 Certified

RELATED PROJECTS

Project to Predict Price of Avocados in R   January 2020 - December 2020
Suffolk University, Boston, MA

- Conducted exploratory data analysis, checking linear regression and tree-based model assumptions, utilized R to deal with missing values, outliers and generate statistical criteria leveraging ANOVA
- Predicted price volatility of Avocados, using data set of ~18,500 observations and 14 variables with a model accuracy of 64% by using machine learning, OLS, Decision Tree, Random Forest, and K-fold cross validation.

ADDITIONAL INFORMATION

Language: English (Native), Russian (Native), Spanish (Basic), American Sign Language (Basic)

Additional Work: Diversity Peer Education Scholar, Academic Tutor, Assistant Resume Consultant, Alternative Spring Break Leader, Habitat For Humanity, Assistant Treasurer/Volunteer at Oasis Coalition, Information Systems Club