EGECAN COGULU

Data Scientist

egecancogulu@gmail.com ⋄ (646) 675-8040 ⋄ San Francisco Bay Area, CA

egecancogulu.github.io ⋄ linkedin.com/in/egecan-cogulu

Senior Data Scientist with 8+ years of experience in analyzing and interpreting data. Expertise in leveraging statistical modeling, machine learning and A/B testing to drive business insights.

SKILLS

Expertise	Statistics, A/B Testing, Causal Inference, Forecasting, Machine Learning
Programming Languages	Python, SQL, MATLAB, C, R, Mathematica
Python Libraries	Numpy, Scipy, Pandas, Scikit-learn, Prophet, Matplotlib, Plotly
Other Tools	Looker, Tableau, Power BI, Git, AWS, GCP

EXPERIENCE

Sr. Data Scientist, Happy Returns, a UPS Company — Nov 2023 - Present

- Led the design, implementation, and analysis of multi-round A/B tests to evaluate the effects of choice availability on customer behavior, resulting in 4% increased foot traffic for preferred partners.

- Optimized shipping cadence of 10,000 unique shipping centers using statistical modeling and time-series forecasting, saving ∼5% in shipping costs (∼monthly $50,000).

Data Scientist, Happy Returns by PayPal — May 2022 - Nov 2023

- Developed a linear predictive model to forecast usage of shipping supplies for 10,000 locations, resulting in a 80% reduction in stock-outs.

- Created data visualization dashboards and reports using Tableau and Looker to track success metrics for cross-functional projects that were adopted by multiple departments.

Graduate Researcher, Center for Quantum Phenomena, NYU — Sep 2016 - May 2022

- Collected and analyzed 100s of GBs of image data from electron microscopy experiments, using methods such as peak finding, edge detection, background subtraction, non-linear filtering and feature aligning. Developed interactive tools for 3D visualizations using Jupyter notebooks.

- Analyzed multi-dimensional voltage data as a function of temperature, electric current, magnetic field strength and direction. Extracted fit parameters by modeling the response analytically and numerically.

EDUCATION

New York University, New York — Aug 2015 - May 2022

Doctor of Philosophy (Ph.D.), Physics

Coursework: Statistics and Data Science, Computational Data Analysis, Statistical and Computational Physics

Bogazici University, Istanbul — Sep 2009 - May 2015

Bachelor of Science, Mechanical Engineering

Bachelor of Science, Physics (Double Major)

Coursework: Programming with Python, Probability and Statistics, Simulations in Physics, Mathematical Methods