

Summary

Detail-oriented Data Scientist with over 6 years of experience in leveraging data to drive strategic business decisions. Proven expertise in predictive analytics, machine learning, and advanced data modeling, with a strong track record of delivering actionable insights that optimize market strategies and enhance decision-making.

Education

University College Dublin
MSc Data Analytics
First Class Honors

Sept. 2021 - Aug. 2024

Middle East Technical University
BSc Electrical & Electronics Engineering

Sept. 2015 - June 2019

Employment

AGRONOMETRICS

Feb. 2024 - Present

Data Scientist

- Developed time series forecasts for pricing trends of fresh produce commodities, providing clients with predictive insights to optimize their market strategies.
- Led statistical analysis initiatives that enabled clients to accurately assess the degree of error in trade data, significantly enhancing their decision-making processes and strategic planning capabilities
- Spearheaded the entire data collection process for the International Blueberry Organization (IBO) Global State of the Industry Report, gathering data from over 80 countries.
- Streamlined data processing workflows and introduced automation, reducing processing time by 40% and increasing overall efficiency in data handling.

Jan. 2022 - Jan. 2024

Data Analyst

- Conducted in-depth market performance analysis, employing advanced visualization techniques to decode USDA data and provide a comprehensive understanding of the fresh produce inflow from South America into the US
- Deployed cutting-edge machine learning models to generate precise projections on pricing and volume movements, offering clients actionable insights to navigate market dynamics with confidence
- Created sophisticated interactive dashboards using R Shiny, empowering clients with real-time data visualization and analytics to enhance decision-making and strategic planning

TOKEN FINANCIAL TECHNOLOGIES, Istanbul, Turkey

July 2020 - Jan. 2024

Research & Development Engineer

- Utilized Python, R and advanced machine learning techniques to turn raw data into powerful, actionable insights, delivering strategic recommendations that optimized business operations and elevated customer experience
- Generated statistical reports and visualizations, providing key insights for different marketing campaigns and initiatives, customer retention, brand awareness, and global expansion.

Skills

Programming & Tools: Python, R, SQL, SAS, C, Tableau, SAS, R Shiny, Matlab, Stan

Data Science: Machine Learning, Natural Language Processing, Time Series Analysis, Data Mining, Predictive Modeling, Statistical Analysis, Data Wrangling, Deep Learning

Data Visualization: Matplotlib, Seaborn, ggplot2, gganimate, Highcharts, Power BI

Cloud Platforms: AWS, Google Cloud, Microsoft Azure

Big Data Technologies: Hadoop, Spark

Databases: MySQL, PostgreSQL, NoSQL

Software Development: Git, Docker, CI/CD, Agile Methodologies

Activities

Conference Speaker:

Delivered a presentation titled "Blueberries as a Case Study: Improved Measurement of FLW in the Supply Chain using Trade Data and Analytics" at a conference organized by USAID and NASA in Aspen, Colorado. The presentation showcased innovative approaches to utilizing trade data and analytics for reducing food loss and waste (FLW) in supply chains, with a specific focus on the blueberry industry.

Data Journalist:

Authored in-depth articles on data science and analytics for company blogs and industry publications, crafting compelling narratives that enhanced industry visibility