
Tom Keane

Education

Imperial College London, M.Sc. Statistics Oct 2019 – Oct 2020

Core Modules

Probability for Statistics, Fundamentals of Statistical Inference, Computational Statistics, Applied Statistics

Optional Modules

Machine Learning, Big Data, Data Science I & II, Bayesian Methods, Graphical Models

University College Dublin, B.Sc. Financial Mathematics Sept 2015 – May 2019

Degree GPA: 3.81 (1.1)

Relevant Modules

Linear Models (A+) Algorithmic Problem Solving (A+) Data Programming with Python (A+)

Statistical Data Mining (A) Monte Carlo Inference (A) Theory of Games (A-)

Projects and Presentations

Adv. Risk Management, Development of Credit Scorecard (A)

Undergraduate Research Project, Exploration and Implementation of Spectral Clustering (A)

Actuarial and Financial Mathematics, Proposal for Option Pricing and Hedging Strategy (A)

Franciscan College Gormanston, Leaving Certificate Sept 2009 – May 2015

Experience

Citibank PLC Summer Analyst EMEA Service Strategy Transformation Team June 2018 – Aug 2018

- Completed Logistic Regression analysis report on client survey data to quantify key points in client relationships.
- Proposed possible strategy implications of report findings in a range of middle and senior management meetings.
- Automated VoC Deck for senior management reducing workload by approximately 24 hours a month.
- Developed Excel Macros for client scorecards and daily capacity report reducing some processes by 75%.

Paddy Power Betfair PLC Tennis Trader May 2017 – October 2017

- Ranked first (May – Aug) for tennis trading margin with 10.17% profit on €900,000+ (expected margin = 5.5%)
- Managed risk for up to 8 games simultaneously by reacting to live bets and ensuring the correct odds were offered.
- Contributed to pricing of ATP/WTA events based on my opinion of the true probability.
- Adjusted 'Max-Stake Factor' of customers suspected of Arbitrage / Smart betting resulting in increased profits.
- Ensured correct settlement of all tennis bets across the PaddyPower and Betfair Brands.

Smyths Toys Ltd Customer Service Representative/Software Department Sept 2016 – Dec 2016

- Assisted 70-80+ customers per shift with regards to Sales, Product Returns and Complaints.
- Integrated into a team of 4 within my department with the aim of maximising Sales and Quality of Service.

Technical Skills

- Python: Proficient 2015 – 2020
Frequently used Packages: NumPy, Pandas, sklearn, Plotlib
Projects: Multilayer-Perceptron Implementation, Arbitrage Web scraper, Personal Regression module
- R: Proficient 2015 – 2020
Frequently used Packages: rpart, randomForest, caret, ggplot2
Projects: Exploration and Implementation of Spectral Clustering, Classification of Bank Telemarketing Data, Analysis on Voice of Client Data, Clustering on Voting Data for US Congress
- MATLAB: Competent 2019
- SQL: Familiar 2018 – 2020
- Hadoop: Familiar 2020
- Spark: Familiar 2020

Interests and Achievements

Academic:

- Awarded the Susquehanna International Group Financial Mathematics Prize. 2018
- Awarded the Highest Leaving Certificate Results in Franciscan College Gormanston. 2015

Other:

- Elected Auditor of the UCD Mathematical Society for the 2017/18 Academic Year. 2017
Increased membership by 75% compared to previous year.
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