Tom Keane

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Education

Imperial College London,   **M.Sc. Statistics**   Oct 2019 – Oct 2020
Degree Award: Distinction
Relevant Modules
Machine Learning (A+)   Big Data (A)   Data Science I & II (A & A+)
Computational Statistics (B+)   Applied Statistics (B+)   Bayesian Methods (B+)
Thesis
Statistical Inference for Hawkes Processes with Deep Learning (A+)

University College Dublin,   **B.Sc. Financial Mathematics**   Sept 2015 – May 2019
Degree Award: First Class Honours
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)

Experience

Revolut Ltd   Operations Manager - Fulfillment and Logistics   Oct 2020 – Present
- Created an order update system using Javascript to manage and monitor outstand bulk stock orders
- Sourced a packaging supplier which lead to a 46% reduction in unit price leading to a saving of $300k p/a
- Maintained all existing delivery routes by managing relationships with 10+ delivery providers ensuring quality of service through settings of quarterly KPIs
- Identified an order flow error and proposed a fix leading to savings of $200k p/a
- Conducted market research to demonstrate potential profitability of a limited edition card edition card design

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 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.

Technical Skills

Please view **https://tom-keane.github.io/** for more details.
- Python: Proficient   2015 – 2021
  Frequently used Packages: NumPy, Pandas, sklearn, Plotlib
  Projects: Multilayer-Perceptron Implementation, Arbitrage Web scraper, Personal Regression module
- R: Proficient   2015 – 2021
  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
- SQL: Competent   2018 – 2021
- MATLAB: Competent   2019
- Hadoop Map-Reduce: Familiar   2020
- Spark: Familiar   2020