

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 - Fulfilment and Logistics

Oct 2020 – Present

- Leading project involving 7.5M users, which will lead to £10M in savings from 2022-2025.
- Launched 24K Gold plated special edition metal card which generated £1.3M in revenue in launch week with a 56% profit margin.
- Coordinated implementation of card personalisation feature achieving 5.5% conversion on card orders with a projected £1M in gross profit p/a.
- Sourced a packaging supplier which led to a 46% reduction in unit price, leading to a saving of \$300k p/a.
- Identified an order flow error and proposed a fix, resulting in savings of \$200k p/a.
- Maintained all existing delivery routes by managing relationships with 10+ delivery providers, ensuring quality of service through the setting of quarterly KPIs.
- Delivered 24% reduction in chat detractors and 26% reduction in complaints received about topics under issuing and logistics.

Citibank PLC Summer Analyst EMEA Service Strategy Transformation Team

June 2018 – Aug 2018

- Completed Logistic Regression analysis report on client survey data to quantify defining points in client relationships.
- 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%)
 - 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.
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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: Proficient 2018 – 2021
 - MATLAB: Competent 2019
 - Spark: Familiar 2020
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