Barry Quinn PhD CStat

Applied Statistician in Finance

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Personal website, Twitter, Linkedin

Skills

Applied Econometrics

Computer Age Statistical Inference

R and Python

Cloud Analytics

Financial Machine Learning

Financial Data Science

Hobbies

Bodhranista, Running

Profile

I am a passionate applied statistician who encourages active learning using a growth mindset. I teach students using experiential learning to encourage experimentation. My goal is to develop students' employability, resilience, confident humility and empirical curiosity. I run the masters in quantitative finance and teaches graduate-level statistics for time series and a course on financial machine learning entitled algorithmic trading and investment. Finally, I built and maintained a financial technology platform called Q-RaP, a high-performance cloud computing stack for teaching econometrics, AI and machine learning in the Management School. These resources empower students to create digital solutions to complex business problems which are code-interoperable, credible, and reproducible. I research to feed my curiosity and build confident humility, advocating the responsible use of cutting edge statistics. My current research projects focus on statistical learning in finance, responsible AI, risk and financial regulation in banking, and association football. I have extensive knowledge transfer experience having raised over £450,000 for impactful research projects and been principal investigator on AI and machine learning projects in the FinTech industry.

Employment History

Financial Consultant, City Financial, London

September 1995 — September 1998

Currency Trader/Liquidity Risk Manager, Henderson Global Investors, London

September 1998 — January 2004

Lecturer/Applied Statistician in Finance, Queen’s University Belfast, Management School, Belfast

October 2010 — Present

- *Producing quantitative research in finance and economics in high-quality academic journals (18+ publications).*
- *Leading academic in statistical consulting on industry collaborations projects (~£450,000 funding raised).*
- *Using state-of-art technologies and innovative teaching to supercharge student employability.*
- *Supervised 10+ PhD students in quantitative finance research.*

Education

BSc Hons Accounting and Finance, Queen's University, Belfast

1993 — July 1995

Graded with Honours

MSc in Finance, RMIT University, Melbourne

January 2006 — December 2007

Graduated with High Distinction

FINRIA Award for Top in Class

PhD in Finance, Queens University, Belfast

September 2008 — July 2012

Pass

Title: Stochastic non-parametric analysis of relative performance in cooperative banking

Chartered Statistician, Royal Statistical Society, London

March 2019

Highest professional designation of the Royal Statistical Society.

No. 5221

References

Professor Donal McKillop from Queens University Belfast
07872382074 · b.quinn@qub.ac.uk

Professor Barbara Casu from Bayes Business School, London
b.casu@city.ac.uk

Professor Philip Hammill from Abu Dabui University
philip.hamill@adu.ac.ae

Dr Mark Farrell from Queen's University Belfast
mark.farrell@qub.ac.uk

Courses

Machine Learning, Stanford University (Online)

January 2018 — December 2018

Bayesian analysis with R, Royal Statistical Society

July 2020 — July 2020

Investment Management Certificate, CFA Institute

July 2000 — July 2021

Google Cloud Associate Certification, Google

November 2021 — Present

Extra-curricular activities

Founder and Academi Lead for QSMF, Queen's University Belfast, Belfast

2016 — Present

Queen's Student Managed Fund, is an innovative extra-circular student development experience where students manage a real-money portfolio with our oversight.   Set up to supercharge employability, foster intellectual humility, and develop professionalism, it now is one of the extra-curricular largest student-managed funds in the UK.

QUB link

QMSF Analytics Dashboard