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## Research interests

I obtained my PhD in Statistics from the University of Kent, Canterbury. I taught at the Indian Institute of Management and National University of Singapore before joining Bond University in 1993. I am a Fellow of the Royal Statistical Society, a Chartered Statistician and recently awarded Chartered Scientist by Science Council.

My basic research interest is in the area of modelling and forecasting time series data. However, my current research interest is in the area of bankruptcy prediction, financial fraud detection and breast cancer detection, using cutting edge recursive partitioning techniques. We have developed some hybrid models which could be helpful in early fraud detection, financial distress prediction, breast cancer detection and many similar areas. We are also working on a Surf Life Saving Project (with my co-researchers) to develop a surf hazard rating index which could be helpful to the referees in surfing competitions.

I also have some interest in the area of forensic accounting, where we are trying to develop a model for empirically 'scoring' the susceptibility of Australian organizations to occupational fraud, based on the fraud triangle vertices. In this connection, we have also published papers in the area of Benford Law to detect financial fraud.

One of my PhD students is working in the area of developing models to detect financial statement fraud.

I have also some research interest in the area of higher education and ethical issues.

## Qualifications

Economics, PhD, Mode Specification in TYime Series Analysis, University of Kent  
1983 → 1986

## Employment

### Professor

Centre for Data Analytics  
Australia  
1 Jun 2015 → 31 Dec 2024

### Professor

Academic  
Bond Business School  
Australia  
1 Jan 2010 → 31 Dec 2049

## Research output

### A dynamic modelling of the regional and international political economy of US aid to Pakistan

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**Book Review: Spatial Analysis by John T. Kent and Kanti V. Mardia, John Wiley and Sons. 2022.**

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### **Financial-distress prediction of Islamic banks using tree-based stochastic techniques**

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### **Big Data and Social Sciences: a Practical Guide to Methods and Tools**

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