

Dr Pooi Ah Hin

BSc (Hons), MSc (Maths), (UM), PhD (Statistics) (University of London)

Position: Professor

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Professor Pooi served as a teaching staff at the Institute of Mathematical Sciences, University of Malaya for about 33 years before joining Sunway University Business School.

While he was at the University of Malaya, he helped to set up the programmes in MSc in Statistics by course work and BSc in Actuarial and Financial Mathematics. He has taught a wide range of subjects in statistics and actuarial science offered in the above programmes.

He has supervised and co-supervised MSc and PhD students in statistics, stochastic processes and actuarial science. His research works to-date focus on the modelling of interest rates and asset prices.

Teaching Experience:

Professor Pooi has taught the following subjects:

- Applied statistics- Design of experiments, Sample survey, generalised linear models, regression analysis, statistical process control, nonparametric statistics
- Stochastic processes- Markov chains, continuous-time Markov processes
- Actuarial science- Theory of interest, life contingencies, risk theory ,credibility theory, financial economics

Research Interests:

- Generalised linear models
- Categorical data analysis
- Statistical process control
- Queuing theory
- Modelling of interest rates and asset prices

Professional Membership / Affiliation:

- Life Member of the Malaysian Mathematical Sciences Society

Selected Publications:

- Ng K. H., Pooi A. H. (2008). Calibration intervals in linear regression. *Communication in Statistics: Theory and Methods*, 37(11), 1688-1696.
- Ng K. H., Lim M. H., Pooi A. H. (2009). Confidence Intervals based on Rank Statistics in Linear Models. *Malaysian Journal of Science*, 28 (3), 299-307.
- Tan S.K., Pooi A.H. (2011). A Refinement of the Log-Rank Test. *Applied Mathematical Sciences*, 5, (34), 1669 – 1677.
- Fam P. S., Pooi A.H. (2012). Analysis of Two-way Contingency Tables. *Applied Mathematical Sciences*, 6 (79), 3917 – 3925.
- Pooi A.H. (2012). A Model for Time Series Analysis. *Applied Mathematical Sciences*, 6(115), 5735 – 5748.