Thomas Fung
Senior Lecturer in Statistics

Curriculum Vitae
May 2023

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Employment

01/2022–present	**Seniro Lecturer in Statistics**	School of Mathematical and Physical Sciences, Macquarie University
08/2018–12/2021	**Senior Lecturer in Statistics**	Department of Mathematics and Statistics, Macquarie University
01/2018–08/2018	**Senior Lecturer in Statistics**	Department of Statistics, Macquarie University
02/2010–12/2017	**Lecturer in Statistics**	Department of Statistics, Macquarie University
01/2010–02/2010	**Research Assistant (Supervisor: Professor Neville Weber)**	School of Mathematics and Statistics, University of Sydney
07/2005–02/2010	**Tutor**	School of Mathematics and Statistics, University of Sydney

Professional Service

11/2022–present	**Deputy Course Director for BSc**	School of Mathematical and Physical Sciences, Macquarie University
03/2022–present	**Vice-President**	Statistical Society of Australia, NSW Branch
01/2022–present	**Teaching Lead in Statistics**	School of Mathematical and Physical Sciences, Macquarie University
03/2020–03/2022	**President**	Statistical Society of Australia, NSW Branch
12/2019–present	**Board of Directors Ordinary Members**	The Asian Regional Section of The International Association for Statistical Computing (IASC-ARS)
05/2019–12/2021	**Teaching Lead in Statistics**	Department of Mathematics and Statistics, Macquarie University
03/2019–03/2020	**Vice-President**	Statistical Society of Australia, NSW Branch
03/2019–present	**Associate Editor**	Australian and New Zealand Journal of Statistics
01/2019–10/2019	**Statistics Seminar Organiser**	Department of Statistics, Macquarie University
02/2018–06/2018	**Higher Degree Research (HDR) Director**	Department of Statistics, Macquarie University
03/2016–03/2018	**Secretary**	Statistical Society of Australia, NSW Branch
10/2015–06/2018	**Master of Research (MRes) Advisor**	Department of Statistics, Macquarie University
03/2015–03/2016	**Assistant Secretary**	Statistical Society of Australia, NSW Branch
02/2014–08/2014	**Statistics Seminar Organiser**	Department of Statistics, Macquarie University
07/2013–08/2014	**Undergraduate Studies Coordinator**	Department of Statistics, Macquarie University
08/2010–10/2010	**Postgraduate and Honour Coordinator**	Department of Statistics, Macquarie University

Publications

Selected Journal Publications

I have 21 publications in international journals. Selected journal publications are listed below.

2022	**Takeaway alcohol sales and violent crime: the implications of extended trading hours** JJJ Wang, T Fung, S Pynton. Crime and Justice Bulletin, No. 247
2021	**Consistent second-order discrete kernel smoothing using dispersed Conway–Maxwell–Poisson kernels** A Huang, L Sippel, T Fung. Computational Statistics, 1-13
2021	**The impact of the COVID-19, social distancing, and movement restrictions on crime in NSW, Australia** JJJ Wang, T Fung, D Weatherburn. Crime science, 10 (1), 1-14
2021	**Tail asymptotics for the bivariate equi-skew generalized hyperbolic distribution and its Variance-Gamma special case** T Fung, E Seneta. Statistics and Probability Letters, 178, 109182
2020	**Statistics: Your ticket to anywhere** AAB Bilgin, D Bulger, T Fung. Statistics Education Research Journal, 19 (1), 11-20

Software development

2022	**quarto-mq-revealjs-theme: Macquarie University Quarto reveal.js Presentation Template** T Fung, S Connor
2020	**survivalMPLdc: Penalised Likelihood for Survival Analysis with Dependent Censoring** J. Xu, J. Ma, T. Fung
2020	**mpcmp: Mean-parametrized Conway-Maxwell Poisson Regression** T Fung, A. Alwan, J. Wishart, A. Huang
2019	**qicpack: QIC package for GEE** T. Fung
2018	**thesisdownmq: An updated R Markdown thesis template using the bookdown package for Macquarie University HDR Thesis** T. Fung, J. Wishart

Prizes and Honours

2023	**60 Australian statisticians, showcasing the breadth of the Australian statistical community to celebrate the 60th anniversary of the Statistical Society of Australia**
2022	**Statistical Society of Australia President's Award for Leadership in Statistics**

External Consulting

12/2020	**Adams Hospitality** Analysing Alcohol related Crime Statistics at Buronga & Gol Gol, NSW

Technical Skills

General skills in statistics, mathematics and computing.

➤ Languages: Cantonese (native), English (fluent), Mandarin (intermediate)
➤ Mathematical/statistical software: R, Matlab, Minitab, SPSS, IBM SPSS Modeler and Mathematica,
➤ Computing: Mac, WINDOWS, Linux, Microsoft Office (Word, Excel, Powerpoint, Access/SQL), LaTeX.

Education

2010	**Ph.D. in Statistics** School of Mathematics and Statistics, University of Sydney ➤ Supervisor: Emeritus Professor Eugene Seneta

2006	**B.Sc.(Advanced Mathematics) Honours Class I** School of Mathematics and Statistics, University of Sydney

➤ Supervisor: Emeritus Professor Eugene Seneta