

## CURRICULUM VITAE – Professor Ian Gordon

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### Overview

Professor Ian Gordon is the Director of the Statistical Consulting Centre, and a Professor of Statistics in the School of Mathematics and Statistics at the University of Melbourne. He has over 30 years of experience in applied statistical work, and a particular interest in communicating statistical ideas effectively in all he does. He is particularly interested in problem-solving from a statistical perspective. He has been committed to the use of statistical methods to promote health and well-being in society, and to promote justice. There has been an emphasis in his applied statistical work on medical and epidemiological research, and, in his expert witness work, on cases where disadvantaged or vulnerable people were seeking justice.

He has written over 200 consulting reports for projects of all sizes, and for clients from business, industry and government. He has acted as an expert witness in many court cases in a variety of jurisdictions. Ian has contributed to the creation and development of innovative statistical teaching, and in the effective representation and communication of statistical data and concepts.

Ian was President of the Victorian Branch of the Statistical Society of Australia from 2009 to 2010, and Vice-President in 2008 and 2011.

### Education and qualifications

PhD, The University of Melbourne, 1993

MSc, La Trobe University, 1981

BSc (Hons.), The University of Melbourne, 1977

Accredited Statistician, Statistical Society of Australia Incorporated, since 1998

### Brief employment history

All employment has been at The University of Melbourne.

1988 – present	Director, Statistical Consulting Centre (1992 – present) Senior Lecturer, 1994 – 2000 Associate Professor, 2001 – 2011 Professor, 2012 – Acting Director, 1991; Deputy Director, July 1988 – 1990 Lecturer, 1988 – 1993 [Department of Statistics (1988 – 1996) Department of Mathematics and Statistics (1997 – 2014) School of Mathematics and Statistics (2015 - )]
1984 – 88	Research Fellow, Grade 2, Department of Community Medicine
1983	Lecturer, Department of Statistics
1981 – 82	Senior Tutor, Department of Statistics
1980	Tutor, Department of Statistics

### Skills

- Ability and experience in high level statistical thinking
- Expertise as a generalist in advanced statistical methods
- Capacity to work in teams and to collaborate effectively and widely
- Skilled in teaching tailored, applied statistical methods courses
- Knowledgeable and skilled in research design
- Leadership in the discipline of statistics

- Capacity to communicate statistical findings effectively verbally and in writing
- Skilled and experienced as an expert witness in statistical matters

### Research

Ian has been a Chief Investigator on nationally competitive grants (ARC Discovery, ARC Linkage and NHRMC). He has supervised or co-supervised five PhD students to completion. His refereed publications have a total of over 1600 citations and his current h-index is 23 (23 of his publications have 23 or more citations). His methodological research has been mainly in sample size and meta-analysis; his collaborative research has been in many fields, including cardiac surgery, cancer, cardiovascular research, dentistry, geomatics and social and occupational epidemiology.

### Recent publications

- Granger CL, Holland AE, **Gordon** IR, Denehy L. Minimal important difference of the 6-minute walk distance in lung cancer. *Chronic Respiratory Disease* 2015; doi: 10.1177/1479972315575715.
- Parry SM, El-Ansary D, Cartwright MS, Sarwal A, Berney S, Koopman R, Annoni R, Puthuchery Z, **Gordon** IR, Morris PE, Denehy L. Ultrasonography in the intensive care setting can be used to detect changes in the quality and quantity of muscle and is related to muscle strength and function. *Journal of Critical Care* 2015; doi: 10.1016/j.jcrc.2015.05.024
- Finch S & **Gordon** I. (2014) The development of a first course in statistical literacy for undergraduates. In MacGillivray, H., Martin, M., & Phillips, B. (eds) *Topics from Australian Conferences on Teaching Statistics: OZCOTS 2008-2012*, Springer Science + Business Media, New York.
- Gordon** IR, Finch SJ. Statistician heal thyself: have we lost the plot? *Journal of Computational and Statistical Graphics* 2014; doi: 10.1080/10618600.2014.989324
- Ratnam I, et al. Incidence and risk factors for acute respiratory illnesses and influenza virus infections in Australian travellers to Asia. *Journal of Clinical Virology*, 2013; 57:54 – 58.
- Campbell T, Dunt D, Fitzgerald JL, **Gordon** I. The impact of patient narratives on self-efficacy and self-care in Australians with type 2 diabetes: stage 1 results of a randomized trial. *Health Promotion International*, 2013; doi:10.1093/heapro/dat058.
- Pierce R, Chick H, **Gordon** I. Teachers' perceptions of the factors influencing their engagement with statistical reports on student achievement data. *Australian Journal of Education*, 2013; 57: 237-255.
- Berlowitz DJ, Spong J, **Gordon** I, Howard ME, Brown DJ. Relationships between objective sleep indices and symptoms in a community sample of people with tetraplegia. *Archives of Physical Medicine and Rehabilitation*, 2012; 93: 1246-52.

### Statistical Consulting Centre

The Statistical Consulting Centre at The University of Melbourne provides statistical services to business, industry, government and the academic world.

The Centre has been running since 1984, and is one of the oldest University Centres established by University regulation. The Centre's Director is Professor Ian Gordon.