

# CURRICULUM VITAE

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<b>DATE OF BIRTH</b>	16.8.53
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<b>QUALIFICATIONS</b>	1974 B.A. in Mathematics (University of Oxford). 1975 M.Sc. in Statistics (University of London). 1978 Ph.D. in Mathematical Statistics (University of London). 1978 M.A. (Oxon). 1993 C.Stat. (Chartered Statistician)
<b>EMPLOYMENT</b>	1971 Computer programmer, International Computers Limited. 1976 Part-time research assistant, Brunel University. 1977-78 Visiting Lecturer, Department of Statistics, University of California, Berkeley. 1978-81 Royal College of Physicians Research Assistant, Department of Mathematics, University of Nottingham. 1981-86 Statistician, Medical Research Council Biostatistics Unit, Cambridge. 1986-12 Senior Scientist, Medical Research Council Biostatistics Unit, Cambridge. 1991- Honorary Associate Professor, University of Hong Kong 2006- Honorary Professor of Biostatistics, University of Cambridge 2007- Winton Professor for the Public Understanding of Risk, University of Cambridge
<b>SOCIETIES</b>	1975 Fellow of the Royal Statistical Society.
<b>EDITORIAL BOARDS</b>	1983-90 Medical Decision Making. 1985-10 Statistics in Medicine. 1985-90 Biometrika. 1985-90 Theoretical Surgery. 1990-10 Statistics and Computing

<b>SERVICE</b>	1978-1990	Royal College of Physicians of London, Computer Workshop Committee.
	1982-85	Royal Statistical Society Medical Section Committee.
	1984-87	Royal Statistical Society Research Section Committee.
	1984-86	Organizing committee for Third International Workshop on Human Leucocyte Differentiation Antigens.
	1985-87	Organizing Committee for Royal Statistical Society Charter Centenary Conference, Cambridge 1987.
	1988	Academic Committee of 2nd Workshop on AI and Statistics, Florida.
	1989	Joint academic organiser of SERC/RSS Workshop on Expert Systems and Statistics, Edinburgh.
	1989-94	Royal Statistical Society Honours Committee
	1990-92	RSS Working Party on Statisticians in Drug Regulatory Bodies
	1990-93	MMR Subcommittee, CDVIP.
	1992-94	SERC/EPSRC Statistics Panel
	1994-9	MRC Health Services and Public Health Research Board (from 1996, Deputy Chairman)
	1994-6	NHS R&D Programme Commissioning Group in Health Technology
	2003-4	Expert Advisor to Performance Assessment Subcommittee, Commission for Healthcare Improvement
	2005-07	Council, Royal Statistical Society (as Honorary Officer for Meetings and Conferences)
	2006-07	Chair, RSS 2007 Organising Committee
	2006-09	Chair of the Trial Screening Committee of the Flexible Sigmoidoscopy trial.
	2009	Member of the Scientific Advisory Group for Emergencies (SAGE) for Volcanic Ash
	2009-10	Member of the South Central Strategic Health Authority's Independent Review of Paediatric Cardiac Surgery and Clinical Governance at the Oxford Radcliffe Infirmary.
	2010	Member of Royal Society working group that produced Climate change: A Summary of the Science
	2012	Member of the Expert Advisory Group on breast implants that produced Poly Implant Prothese (PIP) breast implants: final report of the Expert Group .

<b>AWARDS and HONOURS</b>	1985	Royal Statistical Society Guy Medal in Bronze.
	1989	American Statistical Association award for Outstanding Application paper (Lauritzen and Spiegelhalter, 1988)
	1994	Royal Statistical Society Guy Medal in Silver.
	1994	Honorary Doctorate, University of Aalborg, Denmark
	2005	Fellow of the Royal Society, London
	2006	Career Achievement Award, Society for Medical Decision Making
	2006	OBE (Officer of the Order of the British Empire)
	2006	Elected Fellow of the Institute of Mathematics and its Applications
	2009	Pinkerton Medal from the Association of Anaesthetists of Great Britain and Ireland
	2010	Honorary Doctorate of Science from the University of Plymouth for services to statistical education
	2010	Weldon Medal from the University of Oxford
	2011	Science Communication Award for Established Researchers from the Society of Biology
	2012	Honorary Fellow: Institute of Risk Management
<b>EDUCATIONAL</b>	1989-	Course "Statistics in Clinical Practice" as part of Cambridge University Mathematics Part III
.	1989	Tutorials given at Artificial Intelligence meetings in London, Florida, Detroit and Mexico.
	1995 -	Short courses on Bayesian Statistics and BUGS given in Australia, Denmark, Germany, Cuba, UK and so on.
	2009-10	Royal Statistical Society Schools (Guy) Lecturer
	2008-	"Applied Bayesian Statistics" as part of Cambridge University Mathematics Part III
<b>PhD students</b>	1988-91	Jill Kirby (Cambridge) – degree awarded 1992
	1990-93	Nicola Best (Cambridge) – degree awarded 1994
	1991-94	Teresa Smith (Cambridge) – degree awarded 1995
	1991-92	CM Wong (Hong Kong) – degree awarded 1992
	1995-98	Clare Marshall (Cambridge) – degree awarded 1999
	1998-01	Kenneth Rice (Cambridge) – degree awarded 2002
	2005-2008	Hayley Jones (Cambridge) – degree awarded 2009

<b>PhD examiner</b>	1985-	Universities of Nottingham (2), Sydney (Australia), Aalborg (Denmark) (2), Reading, Heriot-Watt, Trinity College Dublin, Imperial College London (2), Hong Kong, Liverpool, Leeds, Bath.
<b>External examiner</b>	1995-98	Medical Statistics MSc, London School of Hygiene and Tropical Medicine.
<b>CONSULTANCY</b>	1988-1996	Consultancy with Medical Statistics Group of Ciba-Geigy, Basel, Switzerland
.	1996-11	Consultancy with Novartis, Basel, Switzerland.
.	2000-2002	Independent Data Monitoring Committee for Pfizer ASTIN trial.
.	2002-09	Consultant for Healthcare Commission.
.	2009	Consultant for World Anti-Doping Agency.
.	1995-	Consultancy work / courses carried out for Schering, Boehringer, GSK, etc

## CURRENT RESEARCH INTERESTS

- Bayesian analysis
- Risk/uncertainty assessment and communication
- Education in probability, statistics and risk
- Media coverage of statistics and risk

## CITATION AWARDS

Member of *ISI Highly Cited* researchers list

Spiegelhalter et al (2002) has the 3rd highest citations in the Mathematical Sciences in the last 10 years

## PUBLICATIONS IN PEER-REVIEWED JOURNALS

### References

- [1] D. J. Spiegelhalter. A test for normality against symmetric alternatives. *Biometrika*, 64:415–418, 1977.
- [2] D. J. Spiegelhalter. An omnibus test for normality for small samples. *Biometrika*, 67:493–496, 1980.

- [3] A. F. M. Smith and D. J. Spiegelhalter. Bayes factors and choice criteria for linear models. *Journal of the Royal Statistical Society, Series B*, 42:213–220, 1980.
- [4] D. M. Titterington, G. P. Murray, L. S. Murray, D. J. Spiegelhalter, A. Skene, J. D. F. Habbema, and G. J. Gelpke. Comparison of discrimination techniques applied to a complex data set of head injured patients (with discussion). *Journal of the Royal Statistical Society, Series A*, 144:145–175, 1981.
- [5] A. J. Hedley, S. J. Jones, D. J. Spiegelhalter, P. J. Clements, P. D. Bewsher, J. G. Simpson, and R. D. Wear. Breast cancer in thyroid disease, fact or fallacy? *Lancet*, 1:131–133, 1981.
- [6] D. J. Spiegelhalter D. S. Coggan, M. J. S. Langman. Aspirin, paracetamol and haematemesis and melaena. *Gut*, 23:340–344, 1982.
- [7] D. J. Spiegelhalter. Statistical aids in clinical decision-making. *The Statistician*, 31:19–36, 1982.
- [8] D. J. Spiegelhalter and A. F. M. Smith. Bayes factors for linear and log-linear models with vague prior information. *Journal of the Royal Statistical Society, Series B*, 44:377–387, 1982.
- [9] D. J. Spiegelhalter. Comments on Lindberg’s correction for the effects of observer variation on probabilistic diagnosis. *Methods of Information in Medicine*, 21:114–116, 1982.
- [10] D. J. Spiegelhalter and P. G. I. Stovin. An analysis of repeated biopsies following cardiac transplantation. *Statistics in Medicine*, 2:33–40, 1983.
- [11] L. S. Freedman and D. J. Spiegelhalter. The assessment of subjective opinion and its use in relation to stopping rules for clinical trials. *The Statistician*, 32:153–160, 1983.
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- [13] D. J. Spiegelhalter. Evaluation of clinical decision-aids, with an application to a system for dyspepsia. *Statistics in Medicine*, 2:207–216, 1983.
- [14] M. McGreevy, R. F. Mould, and D. J. Spiegelhalter. Evaluation of medical and managerial priorities in resource allocation: bone marrow transplantation at westminster hospital. *Hospital and Health Services Review*, 79:213–7, 1983.
- [15] M. J. S. Langman, D. Coggan, and D. J. Spiegelhalter. Analgesic intake and the risk of acute upper gastrointestinal bleeding. *The American Journal of Medicine*, 79:79–82, 1983.
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# CHAPTERS, PROCEEDINGS and NON-REFEREED ARTICLES

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