

Professor Dan Hedlin

Doctoral degree: Statistics, University of Southampton, 2003. Title: *Some Estimation and Bias Issues in Business Surveys*. Supervisors, jointly: Raymond Chambers and Chris Skinner.

Docent level (associate professor): Stockholm University, 2006.

Professor and Chair, Department of Statistics, Stockholm University. (since Sept 2012)
Full description: Professor of Statistics with a specialisation in official and other statistics production.

Previous positions

The Swedish National Council for Crime Prevention (Brottsförebyggande rådet), senior statistician	2012, March – Sept
Statistics Sweden, Department of Research and Development, senior statistician (part time 2007-2012)	2003 – 2012
Adjunct lecturer (part time, 20%), Department of Statistics, Stockholm University	2007 – 2012
Lecturer (part time, 30%), Department of Statistics, Stockholm University	2008, Jan – June
University of Southampton, Department of Social Statistics	
Senior Research Fellow	2000 – 2003
Research Fellow	1998 – 2000
Statistics Sweden, mainly at Department of Research and Development, statistician/senior statistician	1986 – 1998

Awards

The Quality Award of Statistics Sweden, 2007 and 2008.

Other relevant roles

- Member of the Scientific Council of the Swedish National Council for Crime Prevention (Brottsförebyggande rådet), 2013 –
- Member of the Scientific Council of Transport Analysis, 2021 –

Past experience, including:

- Associate Editor, *Journal of Official Statistics*, 2004 – 2011.
- Associate Editor, *Journal of the Royal Statistical Society, series C*, 2008 – 2011.
- Editor *Qvintensen*, the magazine of the Swedish Statistical Association. 2009 – 2015.
- Editor *Qvartilen*, the then magazine of the Swedish Statistical Association. 1994 – 1995.
- Co-editor, *the Survey Statistician*, the newsletter of the International Association of Survey Statisticians, 2008 – 2009.

- Somalia. Department for National Planning and Juba Valley Development.
- Zimbabwe. Veterinary Research Laboratory.
- Ethiopia. Central Statistical Office.
- Consultant for a large number of organisations including the Swedish tax office, the Swedish Election Authority, L|E|K Partnership, UK, Office of Manpower Economics, UK, Office for National Statistics, UK.
- Member of an Advisory Board for the Numerical Algorithms Group (NAG) in Oxford.
- Secretary of the Scientific Advisory Board of Statistics Sweden.
- Referee *Journal of Official Statistics*, *Biometrika*, *Statistical Science*, *Canadian Journal of Statistics*, *Scandinavian Journal of Statistics*, *Journal of Survey Statistics and Methodology*, *Journal of Digital Social Research*, *International Statistical Review*, *Survey Methodology*, *Metron*, *Metrika*, *Statistics in Transition*, *Journal of Statistical Planning and Inference* and *Journal of the Royal Statistical Society*, series A, B and C.

Some of my talks in recent years

- Is quota sampling a scientific method? (Är kvot-urval en vetenskaplig metod?) Surveyföreningens kvalitetsseminarium, Stockholm, 12 februari, 2020.
- Is there a 'safe area' where the nonresponse rate has only a modest effect on bias despite non-ignorable nonresponse? Joint Statistical Meetings. Vancouver, 28 July-2 Aug 2018
- Dialogue between science and official statistics. Keynote speech, Statistics Day, Statistik Austria, 20 October, 2016
- Is random sampling necessary? Special session. NTTS, New Techniques and Technologies for Statistics, Brussels, Belgium, 9-13 March, 2015
- Bias and Estimation Issues in Cut-off Sampling. Invited paper. Australian Statistical Conference. Sydney, 7-10 July 2014.
- Does overlapping confidence intervals imply a non-significant difference? Stockholm Criminology Symposium, 9-11 June, 2014.
- Can we trust opinion polls? Open lecture in the series 'Science for the curious' organised by Stockholm University. Farsta, 21 Nov, 2013.
- How is the system of Swedish Official Statistics doing? Swedish Statistical Association. Uppsala, 23 March, 2013.
- Analysis of survey data and register data – a journey into statistical cultures. Keynote address, III ESAMP, Universidade Federal de Juiz de Fora, Brazil, 22-25 Nov, 2011.
- Panel discussion at a workshop entitled "The use of Small Area Estimation in Economic Policy and Social Science Research: problems and perspectives". DISES, Facoltà di Economia, Università Cattolica del S. Cuore, Milano, 17 Dec, 2009.
- Theory of Selective Editing. Invited paper, European Economic Survey Workshop, Stockholm, 7-9 Sept, 2009.
- Understanding Perceived Response Burden in Business Surveys. Invited paper, 57th World Statistics Congress of the International Statistical Institute, Durban, South Africa, 16-23 Aug, 2009.

Examination boards, PhD vivas

- Jonas Bjeremo. *Test Design for Mean Ability Growth and Optimal Item Calibration for Achievement Tests*. Dept. of Statistics, Stockholm University. 2021.
- Bernardo João Rota, *Calibration adjustment for nonresponse in sample surveys*. Örebro university school of business. 2016.

- Jens Malmros. *Studies in respondent-driven sampling: directed networks, epidemic, and random walks*. Mathematical Statistics, Stockholm University. 2016.
- Matias Quiroz. *Bayesian Inference in Large Data Problems*. Dept. of Statistics, Stockholm University. 2015.
- Chengcheng Hao. *Explicit Influence Analysis in Crossover Models*. Dept. of Statistics, Stockholm University. 2014.
- Bergrún Tinna Magnúsdóttir. *Estimation and optimal designs for multi-response Emax models*. Dept. of Statistics, Stockholm University. 2014. (Alternate member of examination board)
- Therese Andersson. *Quantifying cancer patient survival: extensions and applications of cure models and life expectancy estimation*. MEB, Karolinska Institutet. 2013.
- Can Tongur. *Seasonal Adjustment and Dynamic Linear Models*, Dept. of Statistics, Stockholm University. 2013.
- Maria Grünewald. *Design and Analysis of Response Selective Samples in Observational Studies*. Mathematical statistics, Stockholm University. 2011.

Examination boards, licentiates

- Ben Mason. *A comparison of approaches for implementation of k-nearest neighbour imputation for missing items in cross-national time series data sets of economic indicators*. MPhil. University of Southampton. 2017.
- Sofia Normark. *Topics in Optimal Design of Experiments*. Dept. of Statistics, Stockholm University. 2013.
- Karin Stål. *Contributions to Influence Diagnostics in Nonlinear Regression Analysis*. Dept. of Statistics, Stockholm University. 2013.
- Boris Lorenc. *Double samples for web surveys and similar situations*. Dept. of Statistics, Stockholm University. 2004. (Discussant)