

Professor Harvey Goldstein

Qualifications:

- 1961 BSc Honours in Mathematics Manchester University
1962 Postgraduate Diploma in Statistics University College London

Current Appointments:

- 2005- Professor of Social Statistics,
University of Bristol (0.3FTE)
2004- Professor of Statistics,
UCL Institute of Child health (0.2 FTE)
2004- Visiting Professor,
London School of Hygiene and Tropical Medicine
1992- Visiting Professor, University of East Anglia

Past Appointments:

- 1977-2005: Professor of Statistical Methods, London University Institute of Education
1972-1977: Senior research officer, National Children's Bureau, London.
1964-1972 Lecturer, Institute of Child health, London

Awards and Honours:

- 2001 Honorary Doctorate, Open University
1996- Fellow, British Academy
1991-1999 Fellow, Royal Society of Arts:
1988 Guy Medal in Silver, Royal Statistical Society
2006 *Declined* CBE in New Year Honours list

Research interests:

Multilevel modelling: developing methodology, software and training materials.
Educational assessment, international comparisons, and performance indicators.
Development and application of missing data techniques, especially in record linkage.

Recent grants :

Multilevel Multiprocess Models for Partnership and childbearing Event Histories
01/10/02 to 30/6/05 ESRC H33250044
Developing multilevel models for realistically complex social science data.
1/10/03 to 28/2/07 ESRC RES-000-23-0140
LEMMA2: Learning Environment for Multilevel Methodology and Applications", ESRC (NCRM node), £688,942,
April 2005 – September 2008
LEMMA 3: Longitudinal Effects, Multilevel Modelling and Applications", ESRC (National Centre for Research
Methods node), £1.4m, October 2011-September 2014

Some recent Papers and books:

Goldstein, H., Carpenter, J. R. and Browne, W. J. (2013), Fitting multilevel multivariate models with missing data in responses and covariates that may include interactions and non-linear terms. *Journal of the Royal Statistical Society: Series A (Statistics in Society)*. doi: 10.1111/rssa.12022
Leckie, G., R. Pillinger, K. Jones and H. Goldstein (2012). "Multilevel Modeling of Social Segregation." *Journal of educational and behavioral statistics* **17**(1): 3–30.
Foley, B., and Goldstein, H. (2012). *Measuring Success: league tables in the public sector*. London, British Academy.
Goldstein, H., Harron, K., and Wade, A. (2012). The analysis of record linked data using multiple imputation with data value priors. *Statistics in medicine*, 31, *, DOI: 10.1002/sim.5508
Leckie, G. and Goldstein, H. (2011). Understanding Uncertainty in School League Tables. *Fiscal Studies*, vol. 32, no. 2, pp. 207–224 (2011) 0143-5671.
Goldstein, H. (2011). *Multilevel Statistical Models. Fourth edition*. Chichester, Wiley:

- Goldstein, H. and Browne, W. (2005). Multilevel factor analysis models for continuous and discrete data. *Contemporary Psychometrics. A Festschrift to Roderick P. McDonald*. A. Olivares and J. J. McArdle. Mahwah, NJ:, Lawrence Erlbaum.
- Goldstein, H., Browne, W. and Rasbash, J. (2004). Multilevel Modelling of Medical data. *Tutorials in Biostatistics*. R. D'Agostino. Chichester, Wiley. **2**: 69-94.
- Goldstein, H., G. Bonnet, et al. (2007). "Multilevel structural equation models for the analysis of comparative data on educational performance." *Journal of Educational and behavioural Statistics* **32**: 252-286.
- Goldstein, H., S. Burgess, et al. (2007). "Modelling the impact of pupil mobility on school differences in educational achievement." *J. Royal Statistical Society, A*. **170**: 941-954.
- Goldstein, H., Kounali, D. and Robinson, A. (2008). "Modelling measurement errors and category missclassifications in multilevel models." *Statistical Modelling* **8**(3): 243-261.
- Goldstein, H. (2008). "Evidence and education policy - some reflections and allegations." *Cambridge Journal of Education* **38**(3): 393-400.
- Goldstein, H., Carpenter, J., Kenward, M. and Levin, K. (2009). "Multilevel Models with multivariate mixed response types." *Statistical Modelling*. **9**(3): 173-197.
- Goldstein, H. and Kounali, D. (2009). "Multivariate multilevel modelling of childhood growth, numbers of growth measurements and adult characteristics." *Journal of the Royal Statistical Society, A* **172**(3): 599-613.
- Ferrao, M. E. and H. Goldstein (2009). "Adjusting for measurement error in the value added model: evidence from Portugal." *Quality and Quantity* **43**: 951-963
- Goldstein, H. (2009). "Handling attrition and non-response in longitudinal data." *International Journal of Longitudinal and Life Course Studies* **1**: 63-72.
- Browne, W. and Goldstein, H. (2010). MCMC sampling for a multilevel model with non-independent residuals within and between cluster units. *J. of Educational and Behavioural Statistics*, 35, 453-473.
- Goldstein, H. and deStavola, B. (2010). Statistical modelling of repeated measurement data. *Longitudinal and Life Course studies*, 1, 170-185
- Goldstein, H. (2011). Estimating research performance using research grant award gradings. *J. Royal Statistical Society, A*, 174, 1-11
- Goldstein, H. (2012). Francis Galton, measurement, psychometrics and social progress. *Assessment in Education*, 19, 2.147-158

Recent examples of service to scientific, policy and practice communities

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|-------------|--|
| 2008- | Section editor (methodology), Int. J. Longitudinal and Life Course Studies |
| 2001-2010 | Member of Methodology Advisory Committee Office for National Statistics |
| 2001-2004 | Chair of Educational Strategy Group, Royal Statistical Society |
| 2000-2004 | Member of Council, Royal Statistical Society (also 1973 – 1977) |
| 2010- | member of Royal Statistical Society GETSTATS board. |
| 2010- | Chair, technical advisory board for RSS Centre for Statistical Education. |
| 1999-2001 | Member of Research Assessment exercise education panel, HEFCE |
| 1999 – 2003 | Member of Research Grants Board, Economic and Social Research Council. |
| 1993- | Executive Editor, <i>Assessment in Education</i> |
| 1988- | Editorial board member, <i>Statistical Modelling</i> |
| 1988- | Associate Editor, <i>Journal of Educational and Behavioural Statistics</i> |