

Current post:

Senior Lecturer, School of Social Sciences, University of Manchester.

CCSR, Humanities Bridgeford Street Building, University of Manchester,
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Email : mark.tranmer@manchester.ac.uk telephone : +44 (0)161 275 4744

Other related posts:

Honorary Visiting Senior Research Fellow, Wollongong University, Australia.
(12 visits since 1994; next visit Nov/Dec 2008.)

Contact person and co-ordinator Manchester Social Networks Group,
School of Social Science (formed 2007); www.ccsr.ac.uk/msng

Professional Qualifications:

PhD Social Statistics (Southampton, 1999): 'Combining Census data to investigate the multilevel structure of local populations' (supervised by Tim Holt, Chris Skinner, Ray Chambers, David Steel); MSc Statistics (Sheffield, 1991); BSc Applied Statistics. (Sheffield Hallam, 1988).

Main Research interests and expertise:

The methodological development and application of: 1) Multilevel modelling; 2) Methods for Combining Data; 3) Social Network Analysis.

Selected recent publications (including recently submitted)

De Nooy W and **Tranmer M** (2008) 'Networks of action and events over Time: Analytic designs for continuous-time longitudinal network data'. Submitted To *Social Networks*.

Ballas D. and **Tranmer M** (2008) 'Happy places, happy households or happy people? A multi-level modelling approach to the analysis of happiness and well-being.' Submitted to *Journal of the Royal Statistical Society (A)*.

Fieldhouse, E; **Tranmer M** and Russell A (2007) 'Something about young people or something about elections? Electoral participation of young people in Europe : evidence from a multilevel analysis of the European Social Survey.' *European Journal of Political Research* Vol 46, pp797-822.

Cutts, D; Fieldhouse, E.; Purdam, K; Steel, D.; **Tranmer, M** (2007) 'Voter Turnout in British South Asian Communities at the 2001 General Election' *British Journal of Politics and International Relations*. Volume 9, Issue 3, pp 396-412

Steel D, **Tranmer M** and Holt D (2006) Unravelling ecological analysis. *Journal of Applied Mathematics and Decision Sciences* (18 pages).

Tranmer M, Pickles A, Fieldhouse E, Elliot M, Dale A, Brown M, Martin D, Steel D and Gardiner C (2005) 'Microdata for small areas'. *Journal of the Royal Statistical Society (A)* 168, part 1, pp29-49.

Simpson L and **Tranmer M** (2005) 'Combining sample and census data in small area estimates: iterative proportional fitting with standard software'. *The professional geographer*, 57 (2), p222-234.

Steel D, **Tranmer M**, Holt, D. (2003) 'Analysis combining survey and geographically aggregated data'. in the *Analysis of survey data*, Eds. C. Skinner and R. Chambers. John Wiley: New York.

Tranmer M and Steel D. (2001) 'Ignoring a level in a multilevel model: evidence from UK census data'. *Environment and Planning (A)*, Vol 33, pp 941-948.

Tranmer M and Steel D.G. (2001) 'Using census data to investigate scale effects. In *Scale Effects and GIS*, Ed N. Tate and P. Atkinson. John Wiley. pages 105-122.

Martin, D., Nolan A. and **Tranmer, M.** (2001) 'The application of zone design methodology to the 2001 UK Census' *Environment and Planning A* 33, 1949-1962

Tranmer M., Fieldhouse E., Steel D.(2002) 'Exploring population structure with census data'. Chapter to appear in *Methodology and epistemology of multilevel models* Ed Daniel Courgeau. Kluwer press.

Tranmer M. and Steel D.G. (1998) 'Using census data to investigate the causes of the ecological fallacy.' *Environment and Planning (A)*, 30, 817-831.

Steel D.G., Holt D. and **Tranmer M.** (1996) 'Making unit-level inferences from aggregate data', *Survey Methodology*, 22, 3-15.

Holt D., Steel D.G., **Tranmer M.** and Wrigley N. (1996) 'Aggregation and ecological effects in geographically based data'. *Geographical Analysis*, 28, 244-262.

Conference papers presented by Mark Tranmer in 2008 in chronological order:

Tranmer M. and Koskinen J. [U. Melbourne] (January 08) Network Effects in Multilevel Analysis. Paper presented in the Methods and Statistics Section of the Sunbelt International Conference on Social Network Analysis, St. Petersburg, Florida.

Tranmer M. (July 2008) Combining census data in a multilevel model. Paper presented in the combining data session of the ESRC Research Methods Festival, St Catherine's college, University of Oxford.

Ballas D. [U. Sheffield] **Tranmer M** (July 2008) Happy places, happy households or happy people? A multi-level modelling approach to the analysis of happiness and well-being. Presented to the Centre for Health and Well Being, University of Sheffield.

Tranmer M (September 2008) Combining census microdata and aggregate data in a multilevel model. Paper presented at the International conference on census microdata, University of Manchester.

Tranmer M and Purdam K. [U. Manchester] (September 2008) Help in context: a multilevel analysis of the European Social Survey. Paper presented at the Conference on Contemporary European Perspectives on Volunteering, Ersta Skondal University College, Stockholm.

De Miguel V. and **Tranmer M.** (September 2008) A multilevel analysis of the personal networks of immigrants to Spain. Paper presented at the Applications of Social Networks Conference 2008, University of Zurich.

Tranmer M (invited keynote, forthcoming) – Multilevel analysis of happiness: does it make sense? – ASEARC Wollongong, Australia, December 2008.

Research Awards obtained include:

Tranmer M and Elliot M, with Steel D, Chambers, R, Clark R - *Bilateral Australia: The Role of Households, Social Networks and Geographical Groups in Social Statistics*. ESRC / Australian Research Council (3 yrs). Aug 2008- July 2011

Purdam K and **Tranmer M:** *Civic engagement in Europe – a multilevel analysis using the European Social Survey*. ESRC; (1 yr funding taken as 2 years @ 50%). April 2007-March 2009

Tranmer M, Pickles A: *Combining aggregate and microdata to extend census tables for local areas*, ESRC; (1 yr). 2001

Dale A, Fieldhouse E, Pickles A, Brown M, **Tranmer M**: *Specification of the Small Area Microdata samples*, ESRC (1 yr). 2000

Tranmer M, Fieldhouse E, Dale A: *Innovations with area classifications*, ESRC (1 yr). 1999

PhD Students:

6 current PhD students, of which: 4 ESRC funded; 1 ESRC-EPSRC funded (joint with dept Mathematics); 1 ESRC CASE student. In addition to these, 1 ESRC funded student will submit at end Sept 2008.

Course organisation and delivery

Devised and delivered following ESRC recognised MSc course Modules: Multilevel modelling; Longitudinal Data Analysis; Social Network Analysis

Devised and delivered following courses for external fee-paying participants: Social Network Analysis; Linking international micro and aggregate data (using examples from European Social Survey and Eurostat new cronos); Basic and advanced Multilevel modelling (I have delivered this course to the Australian Bureau of Statistics, University of Wollongong, New Zealand Ministry of Health on a fee-paying basis as well as in the UK).

Obtained funding in 2007 from CTA to run two short courses for external candidates: 1) Combining Data (to be run in Jan 09; course leader M Tranmer with input from Schools of Social Sciences and Mathematics). 2) MCMC (course leader Peter Neal (Mathematics) with input from M Tranmer on 'Using MCMC estimation in multilevel modelling with MLWIN.'

Other relevant activities:

Co-organiser/presenter at international workshop on 'combining and enhancing data', University of Manchester Jan 2007.

ESRC requested **statistical mentor** for Dimitris Ballas (Geography, Sheffield) for mid career research fellowship on 'the geography of happiness and well-being'.

Reviewer for these academic journals: *Health and Place*; *Journal of the Royal Statistical Society (A)*; *Regional Studies*; *Social Networks*; *Social Science and Medicine*; *Social Science Computer Review*. **Reviewer** for ESRC;

Consultant: projects include: ESRC researcher development initiative; Local Government; Department for Work and Pensions.