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Memberships

Fellow of the Royal Statistical Society. Associated with: Center for Industrial Relations; Collaborative Graduate Program on Aging and the Life Course; Knowledge Media Design Institute; Senior Fellow, Massey College University of Toronto.

Previous Appointments

Edinburgh University (tenure): Massachusetts Institute of Technology (Visiting Scholar):
McMaster University (tenure): Harvard University (Visiting Scholar): University of
Toronto (tenure): Université de Paris X (Visiting Scholar).

Current Research

Principal investigator in a standard grant awarded by the Social Sciences and Humanities Research Council of Canada. "Neighbourhood Influences on the Developmental Trajectories of Children and Youth" (co-investigators are Ann-Marie Sorenson and Lorne Tepperman). \$87,000 over three years from May, 2003.

Principal investigator in several contracts with the Applied Research Branch of Human Resources Development Canada, (HRDC) for analysis of the National Longitudinal Survey of Children and Youth. (1) "Gender Differences in Developmental Trajectories." \$24,000. Awarded November, 2002. (2) "Potential Longitudinal Analytic Methods for the NLSCY Based on Seminal Work with Other Longitudinal Surveys." \$24,000. Awarded October, 2002. (3) "The Impact of Neighborhood Social Capital and Family Stress on Child Health and Learning Outcomes in Canada." \$24,000. Final Report submitted March 31, 2002 and in the process of publication by HRDC. I have completed analysis of NLSCY Cycles 1 to 3 in the Statistics Canada Research Data Centre and am continuing to work with the public use files from the same survey.

Co-investigator and team leader in the Univ. of Toronto group working with five other universities on the project, "Canadian Century Research Infrastructure." Some \$13 million in funding from the Canadian Foundation for Innovations was announced early in

2002. This project will construct microdata files created from Census enumerations from the later 19th to the mid-20th centuries. The principal investigator is Professor Chad Gaffield of the University of Ottawa.

Co-investigator and team member in the Univ. of Toronto group of geographers and sociologists that received some \$1.9 million from the Canadian Institutes of Health Research in the fall of 2003 the “Canadian Urban Health Institute” project. The principal investigator is Professor John Myles of the University of Toronto and Statistics Canada.

I am carrying out data analysis relevant to the “individualization thesis”, using Canadian sources such as the Adult Education and Training Survey, the various cycles of the General Social Survey and the Census of Canada, as well as the British Household Panel Survey and the Census Longitudinal Survey (the CeLSius project)

Current Teaching

I regularly teach courses on Social Statistics (undergraduate and graduate), Sociology of the Family (undergraduate) and Social Mobility (undergraduate). Two recently developed courses are Historical Methods (Census Data) and Longitudinal Surveys. I have converted all my courses to PowerPoint and make the slides available to students.

Administrative Service

2003-06	Chair, Sociology Dept., Univ. of Toronto (Mississauga)
2002-03	Associate Chair and Graduate Coordinator, Univ. of Toronto (St. George)
1991-99	Associate Chair and Graduate Coordinator, Univ. of Toronto (St. George)
1990-91	Acting Chair, Sociology Dept., Univ. of Toronto (St. George)
1988-90	Associate Chair and Graduate Coordinator, Univ. of Toronto (St. George)

Presentations in Year 2002-2003

Presented at the American Sociological Association, Atlanta GA. “Neighbourhood Effects in a Canadian Longitudinal Survey of Children and Youth”. August, 2003.

Presented at the Fourth International Conference on Multi-Level Modeling, Amsterdam: “Social Support, Collective Efficacy, Social Class and Child Outcomes: a multi-level analysis of longitudinal data from Canada’s NLSCY” April 2003

Presented at the Canadian Population Society annual meeting (Halifax, Nova Scotia). “Neighbourhood effects on parenting practices in Canada’s NLSCY.” May 2003.

Presented at York University’s Summer Program in Data Analysis: “Longitudinal Data Analysis and Multilevel Modeling with Canada’s NLSCY”. June 2003.

Presented at York University's Summer Program in Data Analysis: "An Overview of the National Longitudinal Survey of Children and Youth" and "Applying Mixed Models to Longitudinal Data in Canada's NLSCY". June 2002.

Refereed Publications

BOOKS

- (1) *The Futures of the Family*. (With L. Tepperman and S. Wilson). Englewood Cliffs : Prentice-Hall. 1995.
Translated into Vietnamese as *Tuong Lai Cua Gia Dinh*. 2001.
- (2) *Lives of Their Own: The Individualization of Women's Lives* (With L. Marsden and L. Tepperman) Toronto : Oxford University Press Canada. 1990.
- (3) *Images of Social Stratification: Occupational Structures and Class* (with A.P.M.Coxon and P.M. Davies) London : Sage Publications. 1986. Pp. 218.
- (4) *Measurement and Meanings: Techniques and Methods for Studying Occupational Cognition* (with A.P.M. Coxon). London : Macmillan. 1979. Pp. 305.
- (5) *Class and Hierarchy: - The Social Meanings of Occupations* (with A.P.M. Coxon). London : Macmillan. 1979. Pp. 217.
Reviewed in Contemporary Sociology, 1980
- (6) *The Images of Occupational Prestige: A Study in Social Cognition* (with A.P.M. Coxon). London: Macmillan. 1978. Pp. 225.
Reviewed in American Journal of Sociology, Jan. 1980.
- (7) *Education and Career*. The Open University Press: London 1973.

EDITED BOOKS

- (1) Social Mobility (with A.P.M. Coxon) Penguin Modern Sociology.
Edited readings and evaluative commentary. London : Penguin Books. 1975.

REFEREED ARTICLES

- 1) "Statistical models and data analysis", contributed chapter in Elaine F. Nardocchio (Ed.) Testing Reader Response: Practical Semiotics Berlin : Mouton de Gruyter. 1992. Pp. 279-302.
- 2) "The Individualization of Women's Lives: changes in women's roles in the family and in the paid labour force", (With L. Marsden and L. Tepperman). In Alain F.J. Artibise

and Simon Langlois (Eds.) Canada: Traditions and Revolutions . Vol. 22 of Canadian Issues / Themes canadiens. Montreal : International Association of Canadian Studies. 1990. Pp. 137- 157.

3) "Doing Social research" Chapter 3 in K. Ishwaran (Ed.) Sociology: An Introduction. Don Mills : Ontario. 1986. Pp. 63-87. Re-published by Ajanta International, New Delhi.

4) "Multidimensional scaling". In D. McKay and N. Schofield (Eds.) Data Analysis and the Social Sciences. London : Frances Pinter. 1983. Pp. 171-225. (with A.P.M. Coxon)

5) "The use of directional statistics in weighted euclidean distances multidimensional scaling", Psychometrika, vol. 48, no. 3, 1983, pp. 473-476. Sole author.

6) "Directional data and the analysis of preferences". Quality and Quantity: European journal of methodology, vol. 16, no. 3, 1983, pp. 387-404. Sole author.

7) "Multidimensional scaling: exploration to confirmation". Quality and Quantity: European journal of methodology, vol. 14, no. 1, 1980, pp. 31-73. (With A.P.M. Coxon).

8) "Images and predication: the use of subjective occupational hierarchies". Quality and Quantity: European journal of methodology, vol. 13, no. 2, 1979, pp 121-140. (With A.P.M. Coxon).

9) "Occupational similarities: subjective aspects of social stratification", Quality and Quantity: European journal of methodology, vol. 8, 1974, pp. 139-157. (With A.P.M. Coxon).

10) "Predicting science-based study at university", Journal of the Royal Statistical Society series A, vol. 137, no. 1, 1974, pp. 48-59. (With G.M. Littlejohn and A.F. McPherson).

11) "Problems in the selection of occupational titles". Sociological Review, vol. 22, no. 3, 1974, pp. 369-384. (With A.P.M. Coxon).

12) "Residence and the first year student" Universities Quarterly, vol. 28, no. 1, 1973, pp. 111-122. (With P.M. McMichael and A.F. McPherson).

13) "Fertile imaginations and contrary findings: a comment on subject specialization and sexuality". Science Studies, vol. 3, 1973, pp. 389-391. (With A.F. McPherson).

14) "Aversion to schoolteaching as a factor in the choice of science?", Science Studies, 1973, pp. 173-179. (With G.M. Littlejohn and A.F. McPherson).

15) "A note on occupational attributes", Sociology, vol. 4, no. 3, Sept. 1972, pp. 451-2. Sole author.

16) "Non-response to postal surveys", Scottish Educational Studies, vol. 4, May, 1972, pp. 28-38. (With A.F. McPherson).

17) "After Highers - a study of a national sample of able school leavers." (With U. Flett and A. McPherson). Scottish Educational Studies, vol. 3, part 2, 1971.

PEER-REVIEWED REPORTS

1) "Gender Differences in Developmental Trajectories: Evidence from the first three waves of Canada's NLSCY". Report to Applied Research Branch, Human Resources Development Canada. March 2003. HRDC has a stringent process of anonymous peer review by experts in the field.

2) "Potential Longitudinal Analytic Methods for the NLSCY Based on Seminal Work with Other Longitudinal Surveys" Report to Applied Research Branch, Human Resources Development Canada. March 2003. HRDC has a stringent process of anonymous peer review by experts in the field.

3) "The Impact of Neighborhood Social Capital and Family Stress on Child Health and Learning Outcomes in Canada." Report to Applied Research Branch, Human Resources Development Canada. March 2002. HRDC has a stringent process of anonymous peer review by experts in the field.

4) "Individualization of Adult Women's Lives". (With Lorne Tepperman). A report to the Demographic Review Programme of Health and Welfare, Canada. This report was subject to peer review through the Royal Society of Canada and is summarised in Karol J. Krotki and Marc Termote, Editors, Towards a Population Policy for Canada: migration, ethnicity, regions and social concerns, Special Issue of *Canadian Studies in Population*, vol. 17, no. 2, 1990.

NON-REFEREED PUBLICATIONS

1) Co-Author and compiler with Richard Stren of:
A Longitudinal Study of Immigrants to Canada: proposal for a research design.
Report to Citizenship and Immigration Canada. June, 1995.

2) Review of Shirley Dex (ed) Life and Work History Analyses: Qualitative and Quantitative Developments appeared in Work Employment and Society, vol. 7, no. 2, June, 1993, pp. 317-8.

3) "Indexing and analyzing text with Nota Bene", Connections 1988.

4) "Exploratory data analysis, regression diagnostics and path analysis". In C. Goldsmith. (Ed.) Proceedings of ISSUE '82. Chicago, Illinois : ISSUE Inc. Pp. 317-348. 1983.

- 5) Review of Understanding Data, by Bonnie Erickson and Terry Nosanchuk. Canadian Review of Sociology and Anthropology. May, 1981.
- 6) "Scaling ratings and rankings data as vectors in multidimensional space". In D. Wishart and M. Barritt (Eds.) Proceedings of COMPSTAT '80. Vienna : Physica-Verlag.
- 7) "Multidimensional scaling techniques in the analysis of survey data". In C. O'Muirheartaigh and C. Payne (Eds.), The Analysis of Survey Data: volume 2 - exploring data structures. New York : Wiley. 1977. Pp. 159-182. (with A.P.M. Coxon).
- 8) The above is reprinted in Spanish translation, in: Juan Javier Sanchez Carrion (Ed.) Introduccion a las tecnicas de analisis multivariable aplicadas a las ciencias sociales. Madrid : Centro de investigaciones Sociologicas. 1984. Pp. 107-129.
- 9) Extended review of Raymond Boudon, The Mathematical Structures of Social Mobility; James K. Lindsey, Inferences from Sociological Survey Data; and Lee M. Wiggins, Panel Analysis: latent probability models for attitude and behaviour processes. Published in the journal Sociology. vol. 8, no. 3, pp. 513-515.
- 10) "Non-cognitive predictors of university achievement" In C.F. Page and J. Gibson (Eds.), Motivation: non-cognitive aspects of student performance. London : Society for Research into Higher Education. 1973. Pp. 35-53.

Some Other Scholarly Activity

- 1) Paper presented at the IASSIST/IFDO Meetings in Edinburgh, Scotland; May, 1993. "Alternate solutions to the problem of hands-on access to large social science data files".
- 2) Paper presented at the Canadian Sociology and Anthropology Meetings, Charlottown, PEI., June, 1992. "Family and Work History Antecedents of Psychological Distress".
- 3) Paper presented at the Peopling of The Americas Conference, Vera Cruz, Mexico, May, 1992. "Individualization and Family Forms in the Americas" (with Lorne Tepperman).
- 4) Two papers presented at the 1990 International Sociological Association Conference in Madrid, Spain: "Discrete and Continuous Time Approaches to Analyzing Events in Women's Life Histories", (Research Committee 33) and "Individualization of Women's Lives: Changes in Women's Roles in the Family and in the Paid Labour Force", (Research Committee 06).
- 5) Paper presented at the Canadian Population Society Meetings, Universite, Laval, June, 1989. "Paid Employment and Childcare Responsibilities in the Life Histories of Canadian Women".

- 6) Paper presented at the Canadian Sociology Association Meetings, Université, Laval, June, 1989. "Simulations of women's marital and employment histories".
- 7) Report submitted to Health and Welfare, Canada, October, 1988, and presented at a conference on the Demographic Review organized by the Royal Society of Canada, November, 1988, (Lorne Tepperman co-author).
- 8) Paper presented at the Economics Dept., Université, de Paris X-Nanterre, April, 1988. "The increasing labour force participation rate of women".
- 9) Paper presented at the Economics Dept., Université, de Toulouse I. March, 1988. "Analyzing women's employment histories".
- 10) Paper presented at the Centre for Population Studies, University of London, March, 1988. "The individualization of women's lives".

Membership of Professional Associations

American Sociological Association
Canadian Population Society
Eastern Sociological Society
International Sociological Association
North Central Sociological Association
Royal Statistical Society