## PHILIPPA E. PATTISON

Professor of Social and Organizational Psychology Pro-Vice Chancellor, Learning and Teaching University of Melbourne (Australia)

## PUBLICATIONS<sup>1</sup>

## Books

- (2003) Breiger, R. L., Carley, K. M., and Pattison, P. E. (Eds.) *Social network models: Workshop summary and papers*. Washington, DC: National Academies Press.
- (1993) Watson, R. K., Pattison, P. E., & Finch, S. Beginning statistics for psychology. Sydney: Prentice-Hall.
- (1993) Pattison, P. E. Algebraic models for social networks. N.Y.: Cambridge University Press.

## **Articles and Book Chapters**

- (2009) Peng Wang, Ken Sharpe, Garry L. Robins, Philippa E. Pattison. *Exponential random graph (p\*) models for affiliation networks*. Social Networks, Volume 31, Issue 1, January 2009, Pages 12-25.
- (2008) G. Murray, F. Judd, H. Jackson, C. Fraser, A. Komiti, P. Pattison, A. Wearing, G. Robins. *Big boys don't cry: An investigation of stoicism and its mental health outcomes*. Personality and individual differences, *44*, 1369-1381.
- (2007) Garry Robins, Tom Snijders, Peng Wang, Mark Handcock, Philippa Pattison. *Recent developments in exponential random graph (p\*) models for social networks*. Social Networks, Vol. 29, Issue 2(May), pp. 192-215.
- (2006) Tom A. B. Snijders, Philippa E. Pattison, Garry L. Robins, Mark S. Handcock. *New specifications for exponential random graph models*. Sociological Methodology, Vol. 36, pp. 99-153.
- (2006) Ling Heng Wong, Philippa Pattison, Garry Robins. *A spatial model for social networks*. Physica A: Statistical Mechanics and its Applications, Volume 360, Issue 1, January, Pages 99-120.
- (2006) Vincent Marziano, Tony Ward, Anthony Beech, Philippa Pattison. *Identification of five fundamental implicit theories underlying cognitive distortions in child abusers: A preliminary study*. Psychology, Crime and Law, Volume 12, Number 1, January, pp. 97-105(9).
- (2006) Alessandro Lomi, Philippa Pattison. *Manufacturing relations: An empirical study of the organization of production across multiple networks.* Organization Science, Vol. 17, No. 3, May-June, pp. 313-332.
- (2006) Evrim Gocer March, Philippa Pattison. Semantic verbal fluency in Alzheimer's disease: Approaches beyond the traditional scoring system. Journal of Clinical and Experimental Neuropsychology, Vol. 28, 4 (May), pp. 549-566.
- (2006) March, E. G., Wales, R., Pattison, P. *The uses of nouns and deixis in discourse production in Alzheimer's disease*. Journal of Neurolinguistics, 19, 311-340.
- (2005) Fraser, C.,Jackson, H., Judd, F., Komiti, A., Robins, G., Murray, G., Humphreys, J., Pattison, P., & Hodgins, G. *Changing Places: The impact of rural restructuring on mental health in Australia*, Journal of Health and Place, 11, 157-171.
- (2005) Garry Robins, Philippa Pattison, Jodie Woolcock. *Small and other worlds: Global network structures from local processes*. American Journal of Sociology, Volume 110 Number 4 (January): 894–936.
- (2005) Garry Robins, Philippa Pattison. *Interdependencies and social processes: Dependence graphs and generalized dependence structures*. In: Peter J. Carrington, John Scott, Stanley Wasserman (eds.) Models and methods in social network analysis, Cambridge University Press.
- (2005) Laura M. Koehly, Philippa Pattison. *Random graph models for social networks: Multiple relations or multiple raters*. In: Peter J. Carrington, John Scott, Stanley Wasserman (eds.) Models and methods in social network analysis, Cambridge University Press.
- (2005) Sarah J. Wilson, Peter F. Bladin, Michael M. Saling, Philippa E. Pattison. *Characterizing psychosocial outcome trajectories following seizure surgery*. Epilepsy & Behavior, Volume 6, Issue 4, June, Pages 570-580.
- (2005) Creamer, M., O'Donnell, M., Pattison, P. Amnesia, traumatic brain injury and posttraumatic stress disorder: A methodological inquiry. Behaviour Research and Therapy, 43, 1383-1389.
- (2005) Murray, G., Judd, F., Jackson, H. J., Fraser, C., Komiti, A., Pattison, P. E., Humphrey, J., & Robins, G. *The five factor model and accessibility/remoteness: novel evidence for person-environment interaction*. Personality and Individual Differences, 39, 715-725.
- (2004) Philippa Pattison, Garry Robins. *Building models for social space: Neighbourhood-based models for social networks and affiliation structures.* Math. & Sci. hum. / Mathematics and Social Sciences, n° 168, (4), p. 11-29.

<sup>&</sup>lt;sup>1</sup> Not to be considered as full list. Updated: February 3, 2010.

- (2004) Smith, A. M. A., Grierson, J., Wain, D., Pitts, M., & Pattison, P. Associations between the sexual behaviour of men who have sex with men and the structure and composition of their social networks. Sexually Transmitted Infections, 80, 455-458.
- (2004) Robins, G., Pattison, P., & Woolcock, J. *Missing data in networks: exponential random graph* (p\*) *models for networks with non-resondents*. Social Networks, 26, 257-283.
- (2004) O'Donnell, M., Creamer, M., Pattison, P., & Atkin, C. *Psychiatric morbidity following injury*. American Journal of Psychiatry, 161, 507-514.
- (2004) O'Donnell, M., Creamer, M., & Pattison, P. *PTSD and depression following trauma: Understanding comorbidity*. American Journal of Psychiatry, 161, 1390-1396.
- (2004) Murray, G., Judd, F., Jackson, H., Fraser, C., Komiti, A., Hodgins, G., Pattison, P., Humphreys, J., & Robins, G. *Rurality and mental health: the role of accessibility*. Australian and New Zealand Journal of Psychiatry, 38, 629-634.
- (2004) Lomi, A., & Pattison, P. Introduction to the CMOT special issue on mathematical representations and models for the analysis of social networks within and between organizations. Computational and Mathematical Organization Theory, 10, 5-15.
- (2004) Creamer, M., O'Donnell, M., & Pattison, P. *The relationship between acute stress disorder and posttraumatic stress disorder in severely injured trauma surviviors*. Behaviour Research and Therapy, 42, 315-328.
- (2003) Wasserman, S., & Pattison, P. E. *Social network analysis*. In Lewis-Beck, M. S., Bryman, A., & Liao, T. F. (Eds.), Encyclopedia of Social Science Research Methods . Oregon, Ohio: Sage Publications.
- (2003) Schofield, P. E., Pattison, P. E., Hill, D. J., & Borland, R. Youth culture and smoking: integrating social group processes and individual cognitive processes in a model of health-related behaviours. Journal of Health Psychology, 8, 291-306.
- (2003) Canobi, K., Reeve, R., & Pattison, P. E. *Patterns of knowledge in children's addition*. Developmental Psychology, 39, 521-534.
- (2002) Pattison, P. E., & Wasserman, S. Multivariate random graph distributions: applications to social network analysis. In J. Hagberg (Ed.), Contributions to Social Network Analysis, Information Theory and Other Topics in Statistics: A Festschrift in Honour of Ove Frank on the Occasion of His 65th Birthday. (74-100). Stockholm: University of Stockholm.
- (2002) Pattison, P. E., & Robins, G. L. *Neighbourhood-based models for social networks*. Sociological Methodology, 32, 300-337.
- (2002) Pattison, P. E., & Breiger, R. L. Lattices and dimensional representations: matrix decompositions and ordering structures. Social Networks, 24, 423-444.
- (2002) Lee, J. K., Ward, T., Jackson, H. J., & Pattison, P. E. *Developmental risk factors for sexual offending*. Child Abuse and Neglect, 26, 73-92.
- (2002) Edwards, J., Jackson, H. J., & Pattison, P. E. *Emotion recognition via facial expression and affective prosody in schizophrenia: a methodological review.* Clinical Psychology Review, 22, 1267-1285.
- (2002) Canobi, K. C., Reeve, R. A., & Pattison, P. E. Young children's understanding of addition concepts. Educational Psychology, 22, 513-532.
- (2001) Schofield, P. E., Pattison, P. E. Hill, D. J., & Borland, R. *The influence of group identification on the adoption of peer group norms*. Psychology and Health, 16, 1-16.
- (2001) Robins, G., Pattison, P., Elliott, P. Network models for social influence processes. Psychometrika, 66, 161-190.
- (2001) Robins, G., Elliott, P., & Pattison, P. Network models for social selection processes. Social Networks, 23, 1-30.
- (2001) Robins, G. L., & Pattison, P. E. *Random graph models for temporal processes in social networks*. Journal of Mathematical Sociology, 25, 5-41.
- (2001) Pattison, P. E., & Wasserman, S. *Social network models: statistical*. Pp. 14375-14380 in N. J. Smelser & P. B. Baltes (Editors-in-chief), International Encyclopedia of the Social and Behavioral Sciences, Volume 21. Elsevier.
- (2001) Lee, J. K., Pattison, P. E., Jackson, H. J., & Ward, T. *The general, common, and specific features of psychopathology for different paraphilias*. Criminal Justice and Behavior, 28, 227-256.
- (2001) Lazega, E., & Pattison, P. Corporate social capital as social mechanism: the example of status auctions among colleagues. In Nan Lin, Ronald Burt & Karen Cook (Eds .), Social Capital: Theory and Research. New York: Aldine de Gruyter.
- (2001) Edwards, J., Pattison, P., Jackson, H. J., & Wales, R. J. *Facial affect and affective prosody recognition in first-episode schizophrenia*. Schizophrenia Research, *48*, 235-253.
- (2001) Emmanuel Lazega, Philippa Pattison. Social capital as social mechanisms and collective assets: The example of status auctions among colleagues. In: Nan Lin,Karen S. Cook,Ronald S. Burt (eds.) Social capital: theory and research. Transaction Publishers (Reprinted, 2006).

- (2000) Wasserman, S., & Pattison, P. E. *Statistical models for social networks*. In Kiers, H. A. L., Rasson, J.-P., Groenen, P. J. F., & Schader, M. (Eds.) Data analysis, classification and related methods (285-295). Springer.
- (2000) Pattison, P., Wasserman, S., Robins, G., & Kanfer, A. *Statistical evaluation of algebraic constraints for social networks*. Journal of Mathematical Psychology, 44, 536-568.
- (2000) Mische, A., Pattison, P. E. The plurality of civic relations: publics, projects and social settings. Poetics, 27, 163-194.
- (2000) Ann Mische, Philippa Pattison. *Composing a civic arena: Publics, projects, and social settings*. Poetics, Volume 27, Issues 2-3, March, Pages 163-194.
- (1999) Wilson, S. J., Pressing, J., Wales, R. J., & Pattison, P. E. *Cognitive models of music psychology and the lateralisation of musical function within the brain*. Australian Journal of Psychology 51: 125-139.
- (1999) Robins, G., Pattison, P., & Wasserman, S. *Logit models and logistic regressions for social networks, III. Valued relations*. Psychometrika 64: 371-394.
- (1999) Pattison, P, & Wasserman, S. Logit models and logistic regressions for social networks, II. Multivariate relationships. British Journal of Mathematical and Statistical Psychology 52: 169-193.
- (1999) Lazega, E., & Pattison, P. E. *Multiplex generalized exchange and cooperation in organisations: A case study*. Social Networks, 21, 67-90
- (1999) Conlon, E., Lovegrove, W., Chekaluk, E, & Pattison, P. Measuring visual discomfort. Visual Cognition, 6, 637-663.
- (1999) Ann Mische, Philippa Pattison, Garry Robins. The plurality of social relations: κ-partite representations of interdependent social forms. Electronic Notes in Discrete Mathematics, Volume 2, April, Page 152.
- (1998) Schofield, P., Borland, R., Hill, D., Pattison, P. E., & Hilbert, M. Instability in smoking patterns among school leavers in Victoria, Australia. Tobacco Control 7: 149-155.
- (1998) Canobi, K. H., Reeve, R. A., & Pattison, P. E. *The role of conceptual understanding in children's addition problem solving*. Developmental Psychology 34: 882-891.
- (1998) Bond, L., Nolan, T., Pattison, P., & Carlin, J. *Vaccine preventable diseases and immunisations: a qualitative study of mothers' perceptions of severity, susceptibility, benefits and barriers*. Australian & New Zealand Journal of Public Health 22: 440-446.
- (1997) Wilson, S. J., Wales, R. J., & Pattison, P. E. *The representation of tonality and meter in children aged 7 and 9*. Journal of Experimental Child Psychology 64: 42-66.
- (1997) Grayson, D., Pattison, P. E., & Robins, G. *Evidence, inference and the "rejection" of the significance test.* Australian Journal of Psychology 49: 64-70.
- (1996) Wasserman, S., & Pattison, P. Logit models and logistic regressions for social networks, I. An introduction to Markov graphs and p \*. Psychometrika 61: 401-425.
- (1996) Reeve, R. A., & Pattison, P. E. *The referential adequacy of students' visual analogies of fractions*. Mathematical Cognition 2: 137-169.
- (1996) Lee, J. K. P., Proeve, M. J., Lancaster, M., Jackson, H. J., Pattison, P., Mullen, P. E. *An evaluation and 1-year follow-up study of a community-based treatment program for sex offenders*. Australian Psychologist 31: 147-152.
- (1995) Pattison, P. E., & Wasserman, S. *Constructing algebraic models for local social networks using statistical methods*. Journal of Mathematical Psychology 39: 57-72.
- (1995) Field, S. J., Jackson, H. J., Hassett, A. M., Pattison, P. E. *Ability of the mini-mental state examination to discriminate diagnostic entities in a psychogeriatric population*. International Journal of Geriatric Psychiatry 10: 47-53.
- (1994) Wilson, S. J., Wales, R. J., Pattison, P. E. *The representation of tonality and meter in children aged 7 and 9.* Proceedings of the Third International Conference for Music Perception and Cognition, Liege, Belgium (151-152).
- (1994) Pattison, P. E. Social cognition in context: Some applications of social network analysis. Pp. 79-109 in S. Wasserman & J. Galaskiewicz (Eds.), Advances in social network analysis in the social and behavioral sciences. Newbury Park, CA: Sage.
- (1993) Creamer, M., Burgess, P., Buckingham, W. J., Pattison, P. *Post trauma reactions following a multiple shooting*. In J. P. Wilson & B. Raphael (Eds.), The international handbook of traumatic stress syndromes. Plenum Press.
- (1992) Pattison, P. E. *Gender and mathematics*. In M. Campbell, R. Fincher & P. Grimshaw (Eds.), Essays in Honour of Norma Grieve . Melbourne: Committee for Gender Studies, University of Melbourne.
- (1992) Creamer, M., Burgess, P., & Pattison, P. *Reaction to trauma: a cognitive processing model*. Journal of Abnormal Psychology 101: 452-459.
- (1992) Burgess, P., Joyce, C. M., Pattison, P. E., & Finch, S. Social indicators and the prediction of psychiatric inpatient service utilisation. Social Psychiatry and Psychiatric Epidemiology 27: 83-94.

- (1990) Stripp, A., Burgess, P., Pattison, P., Pead, J., & Holman, C. An evaluation of the psychoactive dependence syndrome in its application to opiate users. British Journal of Addiction 85: 621-627.
- (1990) Halik, V., Rosenthal, D., & Pattison, P. E. Intergenerational effects of the Holocaust: patterns of engagement in mother-daughter relationships. Family Process 29: 329-339.
- (1990) Creamer, M., Burgess, P., Buckingham, W. J., & Pattison, P. *Psychological response to trauma: the Queen street shootings.* Bulletin of the Australian Psychological Society, 12, 5, 5-7.
- (1990) Peter Caputi, Ronald Breiger, Philippa Pattison. *Analyzing implications grids using hierarchical models*. Journal of Constructivist Psychology, Volume 3, Issue 1 January, pages 77 90.
- (1990) Creamer, M., Burgess, P., & Pattison, P. E. Cognitive processing in post-traumatic stress reactions: some preliminary findings. Psychological Medicine 20: 597-204.
- (1989) Pattison, P. E. *Mathematical models for local social networks*. In J. A. Keats, R. Taft, R. A. Heath, & S. Lovibond (Eds.), Mathematical and theoretical systems . Amsterdam: North Holland.
- (1989) Creamer, M., Burgess, P., Buckingham, W. J., & Pattison, P. E. *The psychological aftermath of the Queen Street Shootings*. Department of Psychology, University of Melbourne, Australia.
- (1989) Caputi, P., Breiger, R.L., & Pattison, P.E. *Analysing implications grids using hierarchical models*. International Journal of Personal Construct Psychology 3: 77-90.
- (1988) Pattison, P.E. Network models: Some comments on papers in this special issue. Social Networks 10: 383-411.
- (1988) Bell, R. C., Pattison, P. E., and Withers, G. P. *Conditional independence in a clustered item test*. Applied Psychological Measurement 12: 15-26.
- (1986) Breiger, R. L., & Pattison, P. E. *Cumulated social roles: the duality of persons and their algebras*. Social Networks 8: 215-256.
- (1984) Pattison, P.E.,& Grieve, N. *Do spatial skills contribute to sex differences in different types of mathematical problems*? Journal of Educational Psychology 76: 678-689.
- (1983) Wales, R. J., Colman, M., & Pattison, P. E. *How a thing is called a study of mothers' and children's naming.* Journal of Experimental and Child Psychology 36: 1-18.
- (1982) Wales, R. J., & Pattison, P. E. Children's use of tense and aspect. Working Papers in Linguistics 8: 1-14.
- (1982) Pattison, P. E., & Bartlett, W. K. A factorization procedure for finite algebras. Journal of Mathematical Psychology 25: 51-81.
- (1982) Pattison, P. E. *The analysis of semigroups of multirelational systems*. Journal of Mathematical Psychology 25: 87-118.
- (1981) Pattison, P. E. Equating the 'joint reduction' with blockmodel common role structure: A reply to McConaghy. Sociological Methods and Research 9: 286-302.
- (1978) Breiger, R. L., & Pattison, P. E. (1978). The joint role structure of two communities' elites. Sociological Methods and Research 7: 213-226. - Reprinted in R.S. Burt, M.J. Minor & Associates. Applied Network Analysis: A Methodological Introduction. Beverly Hills, Ca : Sage, 1983, 326-336.