

Vita (May 2009)

**John M. Roberts, Jr.**

Department of Sociology  
MSC05 3080  
University of New Mexico  
Albuquerque, NM 87131

Phone: (505) 277-3940  
E-mail: jmrob@unm.edu

**Education**

- 1992            PhD, Sociology, Cornell University
- 1990            MA, Sociology, Cornell University
- 1986            AB, Government, Cornell University

**Positions Held**

- 2008–present    Professor, Department of Sociology, University of New Mexico
- 1999–2008      Associate Professor, Department of Sociology, University of New Mexico
- 1993–1999      Assistant Professor, Department of Sociology, University of New Mexico
- 1992–1993      Postdoctoral Fellow, Institute for Mathematical Behavioral Sciences, University of California, Irvine

**Published Articles**

- 2009            A. Roberts & J. M. Roberts, Jr. Impact of network ties on change in police agency practices. *Policing* 32, 38–55.
- 2008            T. Wadsworth & J. M. Roberts, Jr. When missing data are not missing: A new approach to evaluating SHR imputation strategies. *Criminology* 46, 841–870.
- 2008            J. M. Roberts, Jr. Exact conditional tests for log-linear models: Application to animal dominance. *Animal Behaviour* 76, 1441–1449.
- 2008            D. D. Brewer, J. M. Roberts, Jr., S. Q. Muth, & J. J. Potterat. Prevalence of male clients of prostitute women in the United States. *Human Organization* 67, 346–356.
- 2007            A. Roberts & J. M. Roberts, Jr. The structure of informal communication between police agencies. *Policing* 30, 93–107.

- 2007 D. D. Brewer, J. J. Potterat, J. M. Roberts, Jr., & S. Brody. Male and female circumcision associated with prevalent HIV infection in virgins and adolescents in Kenya, Lesotho, and Tanzania. *Annals of Epidemiology* 17, 217–226.
- 2007 J. M. Roberts, Jr., & G. Chick. Culture and behavior: Applying log-linear models for transitions between offices in a Mexican festival system. *Social Science Research* 36, 313–328.
- 2006 D. D. Brewer, S. Q. Muth, J. J. Potterat, & J. M. Roberts, Jr. A large specific deterrent effect of arrest for patronizing a prostitute. *PLoS ONE* 1, e60. (doi:10.1371/journal.pone.0000060).
- 2006 J. M. Roberts, Jr., & D. D. Brewer. Estimating the prevalence of male clients of prostitute women in Vancouver with a simple capture-recapture method. *Journal of the Royal Statistical Society A (Statistics in Society)* 169, 745–756. [Accompanying software available at [www.interscientific.net/instr.html](http://www.interscientific.net/instr.html)]
- 2006 D. D. Brewer, J. A. Dudek, J. J. Potterat, S. Q. Muth, J. M. Roberts, Jr., & D. E. Woodhouse. Extent, trends, and perpetrators of prostitution-related homicide in the United States. *Journal of Forensic Sciences* 51, 1101–1108.
- 2006 D. D. Brewer, R. B. Rothenberg, S. Q. Muth, J. M. Roberts, Jr., & J. J. Potterat. Agreement in reported sexual partnership dates and implications for studying concurrency. *Sexually Transmitted Diseases* 33, 277–283.
- 2003 J. M. Roberts, Jr. Testing the cascade model for food webs. *Journal of Agricultural, Biological, and Environmental Statistics* 8, 196–204.
- 2002 J. M. Roberts, Jr. Connections between A. K. Romney’s analyses of endogamy and other developments in log-linear models and network analysis. *Social Networks* 24, 185–199.
- 2001 J. M. Roberts, Jr., & D. D. Brewer. Measures and tests for heaping in discrete quantitative distributions. *Journal of Applied Statistics* 28, 887–896. [Accompanying software available at [www.interscientific.net/instr.html](http://www.interscientific.net/instr.html)]
- 2000 D. D. Brewer, J. J. Potterat, S. B. Garrett, S. Q. Muth, J. M. Roberts, Jr., D. Kasprzyk, D. E. Montano, & W. W. Darrow. Prostitution and the sex discrepancy in reported number of sexual partners. *Proceedings of the National Academy of Sciences* 97, 12385–12388. [Supplementary Material posted at [www.pnas.org](http://www.pnas.org).]
- 2000 J. M. Roberts, Jr. Simple methods for simulating sociomatrices with given marginal totals. *Social Networks* 22, 273–283.
- 2000 J. M. Roberts, Jr. Correspondence analysis of two mode network data. *Social Networks* 22, 65–72.

- 1999 J. M. Roberts, Jr. Testing the chance hypothesis in paired comparison or dominance data with missing observations. *Journal of Mathematical Sociology* 23, 293–307.
- 1999 J. M. Roberts, Jr., & R. V. Liedka. On summary measures of binarized dominance data. *Social Networks* 21, 23–35.
- 1998 J. M. Roberts, Jr., & B. A. Browning. Proximity and threats in Highland ponies. *Social Networks* 20, 227–238.
- 1998 R. L. Breiger & J. M. Roberts, Jr. Solidarity and social networks. In P. Doreian & T. J. Fararo (Eds.) *The Problem of Solidarity* (pp. 239–262). Amsterdam: Gordon & Breach.
- 1996 J. M. Roberts, Jr. Alternative approaches to correspondence analysis of sociomatrices. *Journal of Mathematical Sociology* 21, 359–368.
- 1995 J. M. Roberts, Jr., C. C. Moore, & A. K. Romney. Predicting similarity in material culture among New Guinea villages from propinquity and language: A log-linear approach (with discussion and reply). *Current Anthropology* 36, 769–788.
- 1994 J. M. Roberts, Jr. Fit of some models to red deer dominance data. *Journal of Quantitative Anthropology* 4, 249–258.
- 1991 J. M. Roberts, Jr. On weighting edges with respect to given prestige. *Journal of Quantitative Anthropology* 3, 181–193.
- 1990 J. M. Roberts, Jr. Modeling hierarchy: Transitivity and the linear ordering problem. *Journal of Mathematical Sociology* 16, 77–87.

### Reply / Letter

- 12009 D. D. Brewer, J. J. Potterat, J. M. Roberts, Jr., & S. Brody. Unhygienic male circumcision procedures and HIV transmission. *SAMJ (South African Medical Journal)* 99, 11–12.
- 2007 D. D. Brewer, J. J. Potterat, J. M. Roberts, Jr., & S. Brody. Circumcision-related HIV risk and the unknown mechanism of effect in the male circumcision trials. *Annals of Epidemiology* 17, 928–929.

### Book Reviews

- In press J. M. Roberts, Jr. Review of *Understanding Crime Statistics: Revisiting the Divergence of the NCVS and UCR*. *Criminal Justice Review*.
- 2001 J. M. Roberts, Jr. Review of *Small Worlds* by D. J. Watts. *Contemporary Sociology* 30, 209–210.

## Research Funding

### *Co-Principal Investigator:*

- 2005 T. Wadsworth, PI, J. M. Roberts, Jr., Co-PI. When missing data are not missing: A new approach to evaluating SHR imputation strategies. National Institute of Justice, 7/1/05–6/30/06 (extended to 9/30/06), \$30,918.
- 2003 A. Roberts, PI, J. M. Roberts, Jr., Co-PI. Police innovations and the structure of informal communication between police agencies: Network and LEMAS data. National Institute of Justice, 7/1/03–6/30/04 (extended to 12/31/05), \$29,890.

### *Consultant:*

- 2008 1B. J. Mills & J. J. Clark, PIs. The structure and dynamics of social networks within the late prehispanic Southwest. National Science Foundation (Human and Social Dynamics), 9/08–8/11.
- 2003 D. D. Brewer, PI. Clients of prostitute women: Deterrence, prevalence, characteristics, and violence. National Institute of Justice, 9/03–8/05.

## Recent Conference Papers

- 2009 J. M. Roberts, Jr., & A. Roberts. Similarity of network ties across different domains of organizational activity. Presented at 2009 meeting of International Network for Social Network Analysis, San Diego.
- 2008 J. M. Roberts, Jr. Examining the modern history of interaction between social science and physics. Invited presentation at “Is There a Physics of Society?” Workshop, Santa Fe Institute.
- 2007 D. D. Brewer, S. Q. Muth, J. M. Roberts, Jr., & J. J. Potterat. Reliability of reported sexual partnership dates and measures of concurrency. Presented at Stockholm Chlamydia Workshop. *Also presented at 2008 meeting of International Network for Social Network Analysis, St. Petersburg, FL.*
- 2007 D. D. Brewer, J. M. Roberts, Jr., & J. J. Potterat. Punctures during prenatal care associated with prevalent HIV infection in sub-Saharan African women. Presented at meeting of International Society for Sexually Transmitted Diseases Research, Seattle.

## Awards

University of New Mexico Regents’ Lecturer, 2003–2006 (*UNM award for performance in research, teaching and service by Associate Professors*)

National Science Foundation Graduate Fellowship, 1987–1990

## **Dissertation**

Dimensionality and Overlaps in Organizational Networks (Advisor: R. L. Breiger)

## **Courses Taught** (with number of times taught in regular semesters)

- Soc. 280 Introduction to Research Methods (2 classes)
- Soc. 381 Sociological Data Analysis (17 classes)
- Soc. 481 Research Methods in Sociology (16 classes)
- Soc. 523 Proseminar (5 classes)
- Soc. 580 Methods of Social Research (2 classes)
- Soc. 581 Advanced Social Statistics I (8 classes)
- Soc. 582 Advanced Social Statistics II (9 classes)
- Soc. 583 Special Topics in Advanced Social Statistics (1 Log-linear Models class, 2 Network Analysis classes)

## **Major Service Activities**

Elected to Department Executive Committee, 1997-98, 1998-99, 2001-02, 2004-05, 2005-06

Associate Department Chair, 2002–2004

Chair, Department Graduate Committee (Graduate Advisor) 2002–2007; Co-chair 2001-02

Chair, Department Undergraduate Committee, 2008-09

Chair, Arts & Sciences Junior Promotion and Tenure Committee, 2008-09

Member, Arts & Sciences Junior Promotion and Tenure Committee, 2000–2002, 2007-08

University's Official Representative to ICPSR, 1994–1999

Member, Faculty Senate, 2000–2002

Manuscript reviews for *Social Networks*, *Journal of Quantitative Anthropology*, *American Anthropologist*, *Proceedings of the National Academy of Sciences*, *Sociological Methods and Research*, *Sociological Inquiry*, *American Sociological Review*, *Cross-Cultural Research*, *Social Forces*, *Social Science Research*, *Animal Behaviour*, *Physical Review E*, *Sociological Perspectives*, *Journal of Social Structure*, *Annals of Applied Statistics*, Sage Publications (book)

Proposal reviews for National Science Foundation, CUNY Collaborative Research Initiative  
Social Science Area Representative, Society for Cross-Cultural Research, 2002–2005