

John M. Roberts, Jr.

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Education

1992 PhD, Sociology, Cornell University

Positions Held

2013–present Professor, Department of Sociology, University of Wisconsin-Milwaukee
1993–2013 Assistant Professor to Professor, Department of Sociology, University of New Mexico (*Assistant 1993–1999; Associate 1999–2008; Full 2008–2013*)
1992–1993 Postdoctoral Fellow, Institute for Mathematical Behavioral Sciences, University of California, Irvine

Textbook

2021 A. Roberts & J. M. Roberts, Jr. *Multiple Regression: A Practical Introduction*. Sage Publications.

Published Articles and Chapters

In press M. A. Peeples, J. M. Roberts, Jr., & Y. Yin. Challenges for network research in archaeology. In T. Brughmans, B. J. Mills, J. Munson, & M. A. Peeples (Eds.) *The Oxford Handbook of Archaeological Network Research*. London: Oxford University Press.

2022 A. Roberts & J. M. Roberts, Jr. Clearing crimes in the aftermath of police lethal violence. *Criminology & Public Policy* 21, 619–648.

2021 J. M. Roberts, Jr., Y. Yin, E. Dorshorst, M. A. Peeples, & B. J. Mills. Assessing the performance of the bootstrap in simulated assemblage networks. *Social Networks* 65, 98–109. [Supplementary material posted on journal website]

2018 J. M. Roberts, Jr., A. Roberts, & T. Wadsworth. Multiple imputation of missing values in homicide incident data: An evaluation using unique test data. *Homicide Studies* 22, 391–409.

- 2016 A. Roberts & J. M. Roberts, Jr. Crime clearance and temporal variation in police investigative workload: Evidence from National Incident-Based Reporting System (NIBRS) data. *Journal of Quantitative Criminology* 32, 651–674.
- 2016 M. A. Peeples, B. J. Mills, W. R. Haas, Jr., J. J. Clark, & J. M. Roberts, Jr. Analytical challenges for the application of social network analysis in archaeology. In T. Brughmans, A. C. F. Collar, & F. Coward (Eds.) *The Connected Past* (pp. 59–84). London: Oxford University Press.
- 2015 J. M. Roberts, Jr. U.S. spousal homicide rates by racial composition of marriage. *Annals of Epidemiology* 25, 668–673. [Supplementary material on journal website]
- 2015 B. J. Mills, M. A. Peeples, W. R. Haas, Jr., L. Borck, J. J. Clark, & J. M. Roberts, Jr. Multiscalar perspectives on networks in the late prehispanic Southwest. *American Antiquity* 80, 3–24.
- 2014 J. M. Roberts, Jr., A. Roberts, & D. D. Brewer. Network contacts and activity domains: Information-sharing among police agencies. *Human Organization* 73, 13–24.
- 2013 M. A. Peeples & J. M. Roberts, Jr. To binarize or not to binarize: Relational data and the construction of archaeological networks. *Journal of Archaeological Science* 40, 3001–3010.
- 2013 B. J. Mills, J. J. Clark, M. A. Peeples, W. R. Haas, Jr., J. M. Roberts, Jr., J. B. Hill, D. L. Huntley, L. Borck, R. L. Breiger, A. Clauset, & M. S. Shackley. Transformation of social networks in the late prehispanic U.S. Southwest. *Proceedings of the National Academy of Sciences* 110, 5785–5790. [Supplementary Material posted on journal website]
- 2013 B. J. Mills, J. M. Roberts, Jr., J. J. Clark, W. R. Haas, Jr., D. Huntley, M. A. Peeples, L. Borck, S. C. Ryan, M. Trowbridge, & R. L. Breiger. The dynamics of social networks and migration in the archaeology of the late prehispanic U.S. Southwest. In C. Knappett (Ed.) *Network Analysis in Archaeology: New Approaches to Regional Interaction* (pp. 181–202). London: Oxford University Press.
- 2012 A. Roberts, J. M. Roberts, Jr., & R. V. Liedka. Elements of terrorism preparedness in local police agencies, 2003-2007: Impact of vulnerability, organizational characteristics, and contagion in the post-9/11 era. *Crime & Delinquency* 58, 720–747.
- 2012 J. M. Roberts, Jr., B. J. Mills, J. J. Clark, W. R. Haas, Jr., D. L. Huntley, & M. A. Trowbridge. A method for chronological apportioning of ceramic assemblages. *Journal of Archaeological Science* 39, 1513–1520.

- 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, 345–356.
- 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]
- 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 of heaping in discrete quantitative distributions. *Journal of Applied Statistics* 28, 887–896. [Accompanying software available at 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 on journal website]
- 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. *Current Anthropology* 36, 769–775.
- 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.

Replies / Letter

- 2009 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.
- 1995 J. M. Roberts, Jr., C. C. Moore, & A. K. Romney. Reply (to discussants). *Current Anthropology* 36, 782–788.

Book Reviews

- 2010 J. M. Roberts, Jr. Review of *Understanding Crime Statistics: Revisiting the Divergence of the NCVS and UCR*, edited by J. P. Lynch & L. A. Addington. *Criminal Justice Review* 35, 115–116.
- 2001 J. M. Roberts, Jr. Review of *Small Worlds* by D. J. Watts. *Contemporary Sociology* 30, 209–210.

Research Funding

External Funding, Principal or Co-Principal Investigator:

- 2018 J. M. Roberts, Jr., PI, M. A. Peeples, Co-PI. Collaborative research: Methodological challenges and interpretations in network analysis of artifact data. National Science Foundation, 8/15/18–7/31/20 (extended to 7/31/23), \$91,132 (at UWM; \$97,872 total).
- 2014 J. M. Roberts, Jr., PI, A. Roberts, Co-PI. Multiple imputation for the Supplementary Homicide Reports: Evaluation in unique test data. National Institute of Justice, 1/1/14–12/31/14 (extended to 11/30/15), \$37,795.
- 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.
- 2014 J. M. Roberts, Jr., A. Roberts, & T. Wadsworth. Missing data in the SHR: Evaluating multiple imputation approaches. Presented at meeting of American Society of Criminology, San Francisco.

Unpublished Papers Available at SSRN

D. D. Brewer, S. Q. Muth, J. A. Dudek, J. M. Roberts, Jr., & J. J. Potterat. A comparative profile of violent clients of prostitute women.

D. D. Brewer, J. J. Potterat, S. B. Garrett, S. Q. Muth, J. M. Roberts, Jr., & R. B. Rothenberg. Comparison of direct estimate and partner elicitation methods for measuring the number of sexual and injection partners.

[slides] D. D. Brewer, S. Q. Muth, J. A. Dudek, J. J. Potterat, & J. M. Roberts, Jr. Geographic profiles of violent clients of prostitute women and clients overall.

[slides] D. D. Brewer, J. M. Roberts, Jr., & J. J. Potterat. Punctures during prenatal care associated with prevalent HIV infection in sub-Saharan African women.

[slides] D. D. Brewer, S. Q. Muth, J. M. Roberts, Jr., & J. J. Potterat. Reliability of reported sexual partnership dates and measures of concurrency.

[slides] D. D. Brewer & J. M. Roberts, Jr. Investigating spatial mobility and social predictors of common illnesses.

Dissertation

Dimensionality and Overlaps in Organizational Networks

Courses Taught

At the University of Wisconsin-Milwaukee:

Sociol. 352 Social Networks (S 21, S 23)

Sociol. 452 Social Networks in Global Commerce (S 14)

- Sociol. 499 Sociological Data Analysis (F 13 *also listed as 951*)
- Sociol. 701 Professional Seminar (F 13, F 14, F 15, F 16, F 17, F 18, F 20, F 22)
- Sociol. 750 Research Methods in Sociology (F 13, F 14, F 15, F 16, F 21)
- Sociol. 760 Advanced Statistical Methods in Sociology (S 19, S 22)
- Sociol. 951 Seminar in Research Methodology (S 13, F 14, S 17, S 20, F 22 *Social Networks, S 14 Mixed/Multi-level Models, S 16 Causal Inference, S 18 Structural Equation Models*)
- Sociol. 982 Advanced Quantitative Analysis (F 17, F 18, F 20)

At the University of New Mexico:

- Soc. 280 Introduction to Research Methods (2 sections F 93)
- Soc. 381 Sociological Data Analysis (S 94, F 94, S 95, F 95, S 96, F 96, S 97, F 97, S 98, F 98, F 99, F 00, S 01, F 04, S 05, S 07, F 08, S 11)
- Soc. 481 Research Methods in Sociology (S 94, F 98, S 99, S 01, F 01, S 02, S 03, S 04, S 06, S 07, F 07, 2 sections S 08, F 08, 2 s. S 09, S 10, 2 s. F 10, S 11, F 11, S 12)
- Soc. 523 Proseminar (F 02, F 03, F 04, F 05, F 06)
- Soc. 580 Methods of Social Research (F 94, F 95, F 11, F 12)
- Soc. 581 Advanced Social Statistics I (S 95, S 96, S 98, S 99, S 03, S 04, S 05, S 06)
- Soc. 582 Advanced Social Statistics II (S 97, F 97, F 99, F 00, F 01, F 02, F 03, F 05, F 07, F 12)
- Soc. 583 Special Topics in Advanced Social Statistics (F 96 *Log-linear Models*, S 02, F 06 *Network Analysis*, S 10, S 12 *Mixed/multi-level Models*)