

CHRISTOPHER MCCARTY

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EDUCATION:

- 1992 Ph.D. University of Florida, Gainesville, Florida.** Major in Anthropology. Title: "Perceived Clique Definition in Ego-Centered Networks".
Minor in Agricultural Economics.
- 1985 MA University of Florida, Gainesville, Florida.** Major in Cultural Anthropology.
Title: "Development Among the Otomi of the Mezquital".
- 1980 BA West Virginia University, Morgantown, West Virginia.** Major in Sociology/Anthropology.

EMPLOYMENT:

University of Florida, Gainesville, Florida

Associate Professor, College of Public Health and Health Professions. Joint appointment between Health Services Research, Management and Policy in the College of Public Health and Health Professions and the Bureau of Economic and Business Research in the Warrington College of Business Administration. 9/2007 – present.

Director, University of Florida Survey Research Center. Initiated program to do funded research projects. Developed survey from an 8-station, part-time operation to a 75-station lab grossing over \$2 million a year for past five years. Design questionnaires, sampling strategies, and set budgets. Analyze survey results, write reports and make recommendations to clients. Manage survey staff of more than 200 full and part-time interviewers and supervisors. Communicate statistical results to media. 7/1992 - present.

Associate in Research, Bureau of Economic and Business Research Survey Program. Reorganized survey program. Designed software and hardware platform for computerized data collection. Developed management plan to train and monitor interviewers. 9/90 - 6/92.

Research Analyst, Bureau of Economic and Business Research Economic Forecasting Program. Maintained state and metropolitan economic forecasting models. Ran simulations and generated reports for quarterly publication. 2/1987 - 8/1990.

Department of Health and Rehabilitative Services, Tallahassee, Florida

Programmer Analyst, Children, Youth and Families Data Unit. Evaluated data collection process for several child welfare programs and implemented more efficient collection procedures. Analyzed results of data collection and prepared reports. 2/1986 - 1/1987.

University of Florida, Gainesville, Florida

Half-time graduate assistantships involving programming, statistical analysis or database development from 1979 to 1986 in various medical research departments.

RESEARCH INTERESTS:

Social network analysis (both personal networks and whole networks), personal network visualization, survey research methods, acculturation and migration, social and economic indicators

ORGANIZATIONS:

American Anthropological Association, American Association for Public Opinion Research, Society for Applied Anthropology, International Network for Social Network Analysis.

PUBLICATIONS:

H. Russell Bernard, Peter D. Killworth and **Christopher McCarty**. "INDEX: An Experiment in Social Structure." *Social Forces* 61:99-133 (1982).

Aaron Podolefsky and **Christopher McCarty** "Topical Sorting: A Technique for Computer Assisted Qualitative Data Analysis." *American Anthropologist* 85:886-890 (1983).

Peter D. Killworth, H. Russell Bernard and **Christopher McCarty**. "Measuring Patterns of Acquaintance." *Current Anthropology* 25:381-397 (1984).

H. Russell Bernard, Peter D. Killworth, Michael J. Evans, **Christopher McCarty** and Gene A. Shelley. "Studying Social Relations Cross-Culturally." *Ethnology* 27:155-179 (1988).

H. Russell Bernard, Peter D. Killworth, **Christopher McCarty** and Gene A. Shelley. "Comparing Four Different Methods for Measuring Personal Social Networks." *Social Networks* 12:179-215 (1990).

Peter D. Killworth, H. Russell Bernard, **Christopher McCarty** and Gene A. Shelley. "Estimating the Size of Personal Networks." *Social Networks* 12:289-312 (1990).

Christopher McCarty. "Determining Sample Size for Telephone Surveys." *Cultural Anthropology Methods* (1994).

Christopher McCarty. "How to Contract for a Survey." *Cultural Anthropology Methods* (1995).

Gene A. Shelley, H. Russell Bernard, Peter D. Killworth, Eugene Johnsen and **Christopher McCarty**. "Who Knows Your HIV Status? What HIV+ Patients and Their Network Members Know About Each Other." *Social Networks* 17:189-217 (1995).

Eugene Johnsen, H. Russell Bernard, Peter D. Killworth, Gene A. Shelley, and **Christopher McCarty**. "A Social Network Approach to Corroborating the Number of AIDS/HIV+ Victims in the US." *Social Networks* 17:169-187 (1995).

Mary Ann Burg, **Christopher McCarty** and David Denslow. "Advance Directives: Population Prevalence and Demand in Florida" *Journal of the Florida Medical Association* 82:811-814 (1995).

Christopher McCarty. "The Meaning of Knowing as a Network Tie." *Connections* 18:20-31 (1995).

Stanley K. Smith and **Christopher McCarty**. "Demographic Effects of Natural Disasters: A Case Study of Hurricane Andrew." *Demography* 33:265-275 (1996).

Christopher McCarty, H. Russell Bernard, Peter D. Killworth, Eugene Johnsen and Gene A. Shelley. "Eliciting Representative Samples of Personal Networks." *Social Networks* 19:303-323 (1997).

Peter D. Killworth, Eugene Johnsen, **Christopher McCarty**, Gene A. Shelley and H. Russell Bernard. A Social Network Approach to Estimating Seroprevalence in the United States. *Social Networks* 20:23-50 (1998).

Peter D. Killworth, **Christopher McCarty**, Eugene Johnsen, Gene A. Shelley and H. Russell Bernard Estimation of Seroprevalence, Rape and Homelessness in the U.S. Using a Social Network Approach. *Evaluation Review* 22:289-308 (1998).

Christopher McCarty, Peter D. Killworth, H. Russell Bernard, Eugene Johnsen and Gene A. Shelley. "Comparing Two Methods for Estimating Network Size", *Human Organization* 60:28-39. (2000).

Christopher McCarty. "Measuring Structure in Personal Networks." *Journal of Social Structure* 3:1 (2002).

Peter D. Killworth, **Christopher McCarty**, H. Russell Bernard, Eugene Johnsen, John Domini and Gene A. Shelley "Two interpretations of reports of knowledge of subpopulation sizes." *Social Networks* 25:2 141-160 (2003).

Christopher McCarty. "Differences in response rates using most recent versus final dispositions in telephone surveys." *Public Opinion Quarterly* 67: 396-406 (2003).

Christopher McCarty, H. Russell Bernard. "Social Network Analysis." In Christensen, Karen and David Levinson (General Editors). (2003). *Encyclopedia of Community: From the Village to the Virtual World*. Thousand Oaks, CA: Sage.

Christopher McCarty and John Attafuah . “Are survey-based economic indicators for Africa valid?: The case of consumer confidence in Ghana”. *Social Indicators Research* 65: 207-225 (2004).

Christopher McCarty and Amber Wutich “Conceptual and empirical arguments for including or excluding ego from structural analyses of personal networks.” *Connections* 26: 80-86. (2005)

Christopher McCarty and Sama Govindaramanujam “A modified elicitation of personal networks using dynamic visualization” *Connections* 26: 61-69. (2005)

Peter D. Killworth, **Christopher McCarty**, H. R. Bernard, Mark House “The accuracy of small world chains in social networks.” *Social Networks* 28: 85-96. (2006)

Christopher McCarty, Mark House, Scott Richards, Jeffrey Harman. “Separating the effect of effort versus context on response rates for telephone interviewing.” *Field Methods* 18: 172-188. (2006)

Peter D. Killworth, **Christopher McCarty**, Eugene C. Johnsen, H. Russell Bernard, Gene A. Shelley “Investigating the variation of personal network size under unknown error conditions.” *Sociological Methods and Research*. 35:84-112. (2006)

Gene A. Shelley, Peter D. Killworth, H. Russell Bernard, **Christopher McCarty**, Eugene C. Johnsen, Ronald E. Rice. “Who knows your HIV status II: Information propagation within social networks of seropositive people.” *Human Organization*. 65: 430-445 (2006)

Christopher McCarty, Jose Luis Molina, Claudia Aguilar, Laura Rota. “A comparison of social network mapping and personal network visualization.” *Field Methods* 19: 145-162 (2007)

Christopher McCarty and Killworth, Peter Impact of Methods for Reducing Respondent Burden on Personal Network Structural Measures Social Networks *Social Networks* 29: 300-315 (2007)

Clifton, A., Pilkonis, P. A., and **Christopher McCarty** (2007). Social networks in borderline personality disorder. *Journal of Personality Disorders*. 21: 434-441.

Miranda Lubbers, José Luis Molina and **Christopher McCarty** (2007). Personal Networks and Ethnic Identifications: The Case of Migrants in Spain, *International Sociology* 22:720-740.

Wutich, Amber and **Christopher McCarty** (2008) Social networks and infant feeding in Oaxaca, Mexico. *Maternal and Child Nutrition*. 4: 121-135.

Smith, Stan and **Christopher McCarty** (2009) Fleeing the Storm(s): An Examination of Evacuation Behavior during Florida's 2004 Hurricane Season. *Demography* 46:1: 127-145.

Joan S. Tucker, David Kennedy, Gery Ryan, Suzanne L. Wenzel, Daniela Golinelli, and James Zazzali, **Christopher McCarty** (2009) Homeless Women's Personal Networks: Implications for Understanding Risk Behavior, *Human Organization* 68:2: 129-140.

Miranda J. Lubbers, Jose Luis Molina, Jurgen Lerner, Ulrik Brandes, Javier Avila, **Christopher McCarty**, (2010) Longitudinal analysis of personal networks. The case of Argentinean migrants in Spain, *Social Networks*, Volume 32, Issue 1, Dynamics of Social Networks, Pages 91-104

David P. Kennedy, Harold D. Green, Jr., **Christopher McCarty**, Joan Tucker (forthcoming) Non-experts' Recognition of Structure in Personal Network Data, *Field Methods*.

H Russell Bernard, Tim Hallett, Alexandrina Iovita, Eugene C Johnsen, Rob Lyerla, **Christopher McCarty**, Mary Mahy, Matthew J Salganik, Tetiana Saliuk, Otilia Scutelnicuic, Gene A Shelley, Petchsri Sirinirund, Sharon Weir, Donna F Stroup (2010) "Counting hard-to-count populations: the network scale-up method for public health" *Sexually Transmitted Infections*, 2010 86: ii11-ii15.

COURSES TAUGHT:

Survey Research Methods 2006, 2007, 2008, 2009, 2010

Social Network Analysis, 1999, 2001, 2004, 2008. 2009

Marketing Research, 1992, 1996

Quantitative Geography, 1983.

SELECTED CONTRACTS AND GRANTS:

1997 National Science Foundation, "Counting the Uncountable", \$174,000.

1997 Florida State University/Florida Department of Community Affairs, "Fear of Crime in Florida" (n=5,000), \$45,000.

1998 Florida Agency for Health Care Administration, "Customer Satisfaction for Managed Care Companies" (n=24,000), \$396,000.

1999 Florida Agency for Health Care Administration, "Survey of the Uninsured" (n=14,000), \$275,000.

2000 Florida Agency for Health Care Administration, "Customer Satisfaction for Managed Care Companies" (n=26,000), \$440,000.

2000 State of Indiana, "Survey of the Uninsured" (n=5,000), \$125,000.

2003 University of Florida Opportunity Grant, Measuring the relationship between egocentric network structure and depression across gender, age and ethnic groups. (\$21,000)

2003 Florida Biomedical Research Foundation, A Web-based Egocentric Network Tool for Visualizing Social Influences on Smoking Behavior. (\$50,000).

2004 National Science Foundation, Development of a Social Network Measure of Acculturation and its Application to Immigrant Populations in South Florida and Northeastern Spain. (\$150,000).

2006 University of Florida Opportunity Grant, Quantifying Scientific Impact: Cross-Disciplinary Trends and Attitudes (\$52,000).

2007 National Science Foundation, Social and Cultural Context of Racial Inequalities in Health. (\$347,430).

2007 National Science Foundation, Social Network Analysis of the Collaborative Interaction of Scientists in Academic and Non-academic Settings. (\$355,993).

LANGUAGES:

Speak, read and write Spanish

CONSULTING AND OTHER FIELD EXPERIENCE:

2009 Case Western Reserve/NIH Personal Social Networks of Women with Substance Use and Co-Occurring Mental Disorders (Elizabeth Tracy, PI)

2008 Urban Institute Norms and Networks of Latino Gang Youth (Catarina Roman, PI)

2006 NSF Collaborative Research: Social Networks and Mitigation in Areas of Chronic Disasters (Arthur Murphy-PI, Linda Whiteford-PI, Graham Tobin-Co-PI)

2005 NIH R01 AA015301-01A2 Alcohol Use and HIV Risk Among Impoverished Women (Suzanne Wentzel, RAND PI)

2001 Evaluation of Institutional Support Activity Grant for Africare Food Security project, Bamako, Mali.

1999 Two weeks in Ghana for the development of proposals for future work, funded by CIBER.

1977-1999 Two years in various rural areas of Mexico over a twenty year period.

1997 USAID/IFES project in Ghana concerning post election democracy survey.

1993 USAID project in Jamaica concerning database for agricultural research organization.

1991 USAID project in Cameroon programming accounting databases for an agricultural university.

1984 Language school sponsored by the International Research and Exchange Board and the government of Bulgaria.

1978 Field school on Navajo Reservation in 1978

EXPERIENCE AS EXPERT WITNESS:

1998 Deposition on survey conducted for Florida Public Service Commission

2001 Deposition and trial testimony on survey conducted for Maris Distributing. Maris distributing co. Plaintiff, -vs- Anheuser-Busch, Inc., Charles, Case no. 97-22-ca

2002 Deposition on survey conducted for Florida Agency for Health Care Administration: Anthony Hernandez, et al vs. Rhonda Meadows, in her official capacity as Secretary, State of Florida, Agency for HealthCare Administration, Case no. 02-20964 CIV - Gold/Simonton, Southern District.

2003 Deposition and trial testimony on survey conducted for Rockwell Firstpoint

2004 Expert testimony on surveys of the computer electronics industry

2007 Survey and report regarding trademark infringement in radiator industry

2008 Survey and testimony regarding proposed Florida gun law

RESEARCH SKILLS:

Design, collection and analysis of statistical data. Command of descriptive and inferential statistics, including multivariate techniques. Hands on experience with the design and maintenance of survey samples for telephone, mail and face-to-face interviews. Experience with text analysis.

COMPUTER SKILLS:

Full command of SAS, SPSS/PC and several economic forecasting packages. Working knowledge of FORTRAN and PL1. Programming of computerized interview instruments using relational database software CLIPPER and Visual Dbase. Design and implementation of computerized telephone surveys in CASES and Sawtooth WINCATI.

COMPUTER SOFTWARE:

EgoNet: A program for the collection and analysis of personal network data.

EgoWeb: A program for assessment of individual personal networks over the web (under development)