

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

Director, Bureau of Economic and Business Research, College of Liberal Arts and Sciences. Define vision and set goals for four research programs (Survey, Economic Analysis, Population, Publications). Seek funding opportunities and research collaborations. Manage 20 full-time and over 200 part-time staff. 7/1/2011-present.

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 – 7/2011.

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

PUBLICATIONS:

Refereed Publications

David P. Kennedy, Harold D. Green, Jr., Christopher McCarty, Joan Tucker. Non-experts' Recognition of Structure in Personal Network Data, *Field Methods*. 23: 287-306 (2011)

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. "Counting hard-to-count populations: the network scale-up method for public health" *Sexually Transmitted Infections*, 2010 86: ii11-ii15. (2010)

Miranda J. Lubbers, Jose Luis Molina, Jurgen Lerner, Ulrik Brandes, Javier Avila, Christopher McCarty. 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 (2010)

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

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

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

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

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

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

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)

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, 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)

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, Sama Govindaramanujam. A modified elicitation of personal networks using dynamic visualization. *Connections* 26: 61-69. (2005)

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

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

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. Measuring Structure in Personal Networks. *Journal of Social Structure* 3:1 (2002). Published as on-line only article
(<http://www.cmu.edu/joss/content/articles/volume3/McCarty.html>)

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)

Peter D. Killworth, Christopher McCarty, Eugene Johnsen, Gene A. Shelley and H. Russell Bernard. A Social Network Approach to Estimating Seroprevalence in the United States. *Evaluation Review* 22:289-308 (1998).

Peter D. Killworth, Eugene Johnsen, Christopher McCarty, Gene A. Shelley and H. Russell Bernard. Estimation of Seroprevalence, Rape and Homelessness in the U.S. Using a Social Network Approach. *Social Networks* 20:23-50 (1998).

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).

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

Christopher McCarty. "The Meaning of Knowing as a Network Tie." *Connections* 18:20-31 (1996).

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

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).

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

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

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

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

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

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

Non-refereed Publications

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

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

Book Chapters

Molina, J.L., Roser Fernández, Jaume Llopis & Christopher McCarty (2006). "Social Networks and Social Support", in Zúñiga Coronado, María (ed). *Social Networks and Social Work*. México.

Molina, J.L., McCarty, C.; Aguilar, C. y Laura Rota (2005). "The Social Structure of Memory", in Lozares, C. (ed.), *Interaction, Social Networks and Cognitive Science*. Barcelona: La Razón Áurea.

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. Volume 3, pages 1321-1325.

LECTURES, SPEECHES OR POSTERS PRESENTED AT PROFESSIONAL CONFERENCES/MEETINGS

National Meetings – Refereed Presentations

Tim Podkul; Deb Wojcik; Christopher McCarty Individuals or households as the unit of analysis in village studies, Sunbelt XXXI International Sunbelt Social Network Conference, St. Pete Beach FL February, 2011.

McCarty, Christopher; Bernard, H. Russell; Fazito, Dimitri A two mode personal network method for creating categories of knowing, Sunbelt XXXI International Sunbelt Social Network Conference, St. Pete Beach FL February, 2011.

Smith, Thalia V., Barnett, Tacey E., & McCarty, Christopher Mapping the structure of the hookah community in a college town, Sunbelt XXXI International Sunbelt Social Network Conference, St. Pete Beach FL February, 2011.

Roman, Caterina, G; Cahill, Meagan; Lowry, Samantha; McCarty, Christopher Overlapping personal networks I: An examination of the effects of social context on juvenile delinquency using overlapping personal networks, Sunbelt XXXI International Sunbelt Social Network Conference, St. Pete Beach FL February, 2011.

Deb Wojcik; Tim Podkul; Christopher McCarty Information flows in rural Botswana, Sunbelt XXXI International Sunbelt Social Network Conference, St. Pete Beach FL February, 2011.

Christopher McCarty, James Jawitz, Allison Hopkins, Alex Goldman. Predicting author h-index using characteristics of the co-author network, VIVO conference, Queens, NY August 2010

Christopher McCarty, Using the EI index with personal network structural data as a measure of acculturation, American Anthropological Association, Washington D.C. November 2007.

Christopher McCarty, Measurement of Acculturation Using Personal Network Composition and Structure, American Anthropological Association, San Jose, CA, November 2006.

Christopher McCarty, Workshop on Social Network Analysis, American Anthropological Association, San Jose, CA, November 2006.

Christopher McCarty, Measurement of Acculturation Using Personal Network Composition and Structure, Society for Anthropological Sciences, Savannah, GA, February 2006.

Christopher McCarty, Measurement of Acculturation Using Personal Network Composition and Structure, American Anthropological Association, Washington, DC, November 2005.

Christopher McCarty, Harold D. Green, Jr. Personality and Personal Networks Sunbelt XXV International Sunbelt Social Network Conference Redondo Beach, CA, February 16-20, 2005

Christopher McCarty, H. Russell Bernard. Estimating Transmission Bias in the Network Scale-up Method. Sunbelt XIX International Sunbelt Social Network Conference Hawthorn Suites Hotel, Charleston, SC February 18-21, 1999.

Eugene C. Johnsen, Christopher McCarty, H. Russell Bernard, Gene A. Shelley, Peter D. Killworth. Certain Response Effects in Surveys of Informant Personal Networks. Sunbelt XIX International Sunbelt Social Network Conference Hawthorn Suites Hotel, Charleston, SC February 18-21, 1999.

Christopher McCarty, Peter Killworth, H. Russell Bernard. A Comparison of Two Methods for Estimating Personal Network Size and Their Application in the Estimation of Uncountable Populations. Sunbelt XVII. International Sunbelt Social Network Conference, February 13-16, 1997, Bahia Resort Hotel, San Diego, California.

National Meetings – Panelist, Organizer, or Moderator

Christopher McCarty, Conference Co-Organizer, 31st Annual Sunbelt Social Networks Conference, St. Petersburg, FL February 8-13, 2011.

Christopher McCarty, National Science Foundation Cultural Anthropology Dissertation Panel, Spring 2008

Christopher McCarty, Conference Co-Organizer, 28th Annual Sunbelt Social Networks Conference, St. Petersburg, FL January 22-28, 2008.

Christopher McCarty, National Science Foundation Cultural Anthropology Dissertation Panel, Fall 2007

Christopher McCarty, National Science Foundation Cultural Anthropology Dissertation Panel, Spring 2007

Christopher McCarty, Methods in Cultural Anthropology, American Anthropological Association, San Jose, CA, November 2006.

Christopher McCarty. Data Collection. Sunbelt XIX International Sunbelt Social Network Conference Hawthorn Suites Hotel, Charleston, SC February 18-21, 1999.

International Meetings – Refereed Presentations

Christopher McCarty, James Jawitz, Allison Hopkins, Alex Goldman. Predicting author h-index using characteristics of the co-author network, Sunbelt XXX International Sunbelt Social Network Conference, Riva del Garda, Italy July 2010

Christopher McCarty, Jose Luis Molina. Personal network composition and structure as proxies for acculturation of migrants. Sunbelt XXVI International Sunbelt Social Network Conference Coast Plaza Suite Hotel at Stanley Park, Vancouver, British Columbia April 24-30, 2006.

Jose Luis Molina, Christopher McCarty. Personal network visualization as a cue for interviewing migrants. Sunbelt XXVI International Sunbelt Social Network Conference Coast Plaza Suite Hotel at Stanley Park, Vancouver, British Columbia April 24-30, 2006.

Peter Killworth, Christopher McCarty, Russ Bernard. The accuracy of small world chains in social networks. Sunbelt XXVI International Sunbelt Social Network Conference Coast Plaza Suite Hotel at Stanley Park, Vancouver, British Columbia April 24-30, 2006.

Mark Fleisher, Christopher McCarty. Structurally Important People: Gantze Macher or Nebbish? XXIV International Sunbelt Social Network Conference Portorož, Slovenia, May 12 - 16, 2004

Christopher McCarty. Visualization of Personal Networks. XXIV International Sunbelt Social Network Conference Portorož, Slovenia, May 12 - 16, 2004.

Rosalyn Negrón, Christopher McCarty. Personality and Personal Network Structure Sunbelt XXIII International Social Network Conference Cancún, Quintana Roo, México February 12-16, 2003.

Amber Wutich, Christopher McCarty. A personal network method for measuring race and ethnicity. Sunbelt XXIII International Social Network Conference Cancún, Quintana Roo, México February 12-16, 2003.

Peter D. Killworth, Christopher McCarty, Eugene C. Johnsen, H. Russell Bernard, Gene A. Shelley. Attempting to quantify transmission and barrier errors in scale-up methods. Sunbelt XXIII International Social Network Conference Cancún, Quintana Roo, México February 12-16, 2003.

Christopher McCarty, Jose Luis Molina. Egocentric Network Research Tool. Sunbelt XXIII International Social Network Conference Cancún, Quintana Roo, México February 12-16, 2003.

Jose Luis Molina, Christopher McCarty. Las redes personales como programa de investigación: muestreo, variación cultural y estructuras meso. Sunbelt XXIII International Social Network Conference Cancún, Quintana Roo, México February 12-16, 2003.

H. Russell Bernard, Christopher McCarty, Peter D. Killworth, Gene A. Shelley, Eugene C. Johnsen. Comparing Personal Network Size and Content in Mexico and the U.S. Sunbelt XXIII International Social Network Conference Cancún, Quintana Roo, México February 12-16, 2003.

Peter Killworth, Chris McCarty, Russell Bernard. A power law in reports of knowledge of subpopulation sizes. Sunbelt XX International Sunbelt Social Network Conference. Coast Plaza Suite Hotel at Stanley Park Vancouver, British Columbia April 13-16, 2000.

Christopher McCarty, Russell Bernard, Peter Killworth. Assessing the Accuracy of Reported Alter Characteristics. Sunbelt XX International Sunbelt Social Network Conference. Coast Plaza Suite Hotel at Stanley Park Vancouver, British Columbia April 13-16, 2000.

Peter Killworth, Christopher McCarty, H. R. Bernard, Eugene Johnsen, Gene Shelley. A power law in reports of knowledge of subpopulation sizes. Second International Network Sampling Workshop (INSW) March 2-4, 2000 Hotel Beaumont, Wycker Brugstraat 2, 6221 EC Maastricht, the Netherlands.

International Meetings – Panelist, Organizer, or Moderator

Christopher McCarty. Transcultural Analysis Using Personal Networks. Short Course at the Universitat Autònoma de Barcelona Barcelona, Spain, Spain November 27 – December 1, 2006.

Christopher McCarty. Advances in the study of personal networks. The International Conference on Social Networks, Gran Sitges Hotel in Sitges, Spain May 28 - May 31, 1998.

Local Meetings – Invited Seminars

Christopher McCarty and Jeff Johnson, Social Network Analysis, NSF-sponsored Workshop, Beauford, NC July 2008

Christopher McCarty, Two methods to identify victims of prison violence using reports from correctional officers, Kent State University, Kent, OH, April 2008.

Christopher McCarty, A personal network measure of acculturation, Arizona State University, Tempe, AZ, April 2008.

Christopher McCarty, Measurement of Acculturation Using Personal Network Composition and Structure, Penn State University, State College, PA, May 2006.

Christopher McCarty. Egocentric Network Analysis. RAND Corporation. Santa Monica, CA, February 2003.

MISCELLANEOUS

Since 1994 I have done monthly releases to the media concerning consumer confidence, as well as ad hoc releases to the media concerning a variety of topics related to the state of Florida. In Fall 2008 I was invited by the Federal Reserve Bank of Atlanta to speak at a symposium on regional economics in the South. I was also invited as a panelist by the International Council of Shopping Centers and the Urban Land Institute to speak about economic conditions in Florida. I conduct frequent interviews with both print and radio media about economic issues in Florida.

COURSES TAUGHT:

Survey Research Methods 2006, 2007, 2008, 2009, 2010, 2011

Social Network Analysis, 1999, 2001, 2004, 2008, 2009, 2011

Marketing Research, 1992, 1996

Quantitative Geography, 1983.

GRANTS:

1997 National Science Foundation, "Counting the Uncountable", \$174,000 – Co-PI

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

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

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) -- PI

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

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

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

CONTRACTS:

As Director of the University of Florida Survey Research Center I have been PI on over \$10 million in survey research contracts since 1998. The total gross revenue of the UFSRC, including direct contracts, sub-contracts and contracts through our auxiliary accounts exceeds \$20 million.

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/NIJ 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 Over 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 DEVELOPED:

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)