

## Carolyn J. Anderson

Departments of Educational Psychology, Psychology, & Statistics  
University of Illinois at Urbana-Champaign  
e-mail: [cja@illinois.edu](mailto:cja@illinois.edu)  
<http://faculty.ed.uiuc.edu/cja/homepage>

Department of Educational Psychology:  
1310 South Sixth St., MC-708  
Champaign, IL 61820  
(217) 244-3537

Department of Psychology  
603 East Daniel Street, MC-716  
Champaign, IL 61820  
(217) 333-6819

### Education

- 1982 B.A., double major in psychology and economics, University of California, Berkeley
- 1986 M.S., statistics with specialization in psychometrics and behavioral statistics, University of Illinois at Urbana-Champaign
- 1993 Ph.D., quantitative psychology, University of Illinois at Urbana-Champaign

### Professional History

- 1993 Visiting Assistant Professor, Department of Psychology, University of Illinois at Urbana-Champaign
- 1993-2000 Assistant Professor, Departments of Educational Psychology and Psychology, University of Illinois at Urbana-Champaign
- 2000-2008 Associate Professor, Departments of Educational Psychology, Psychology, and Statistics, University of Illinois at Urbana-Champaign
- 2008-Present Professor, Departments of Educational Psychology, Psychology, and Statistics, University of Illinois at Urbana-Champaign

### Awards and Honors

- 1981 Phi Beta Kappa
- 1983-1984 University of Illinois Fellowship
- 1985-1988 NIMH, National Service Award to the University of Illinois, pre-doctoral trainee awarded by the Quantitative Methods Program, Department of Psychology, University of Illinois at Urbana-Champaign
- 1993 Nancy Hirschberg Memorial Award for Scholarship and Research
- 1993 Psychometric Society Dissertation Award
- 1995 American Psychological Association Division 5 Dissertation Award
- 1997-1999 Faculty Fellow, Bureau of Educational Research, University of Illinois
- 2001 Incomplete List of Teachers Ranked as Excellent by Their Students
- 2005-2006 Faculty Fellow, Bureau of Educational Research, University of Illinois
- 2009 Distinguished Senior Scholar, College of Education, University of Illinois

## Research Support

- 1993 IBM Shared University Research Program, equipment valued at \$32,000
- 1993-1994 University of Illinois Research Board, \$25,000
- 1995-1996 University of Illinois Scholar's Travel Fund Awards, August & April
- 1995-present IBM Shared University Research Program, with U. Böckenholt, L. Koehly, & S. Wasserman
- 1997-2000 National Science Foundation, *Log Multiplicative Association Models for Multivariate Categorical Data with Latent Continuous Variable Interpretations*, \$133,712
- 2002-2003 University of Illinois Research Board, *Estimation of Log-Multiplicative Models for Large Contingency Tables*, \$13,700
- 2004-2006 National Science Foundation, *Multivariate Multinomial Logistic Regression models as Item Response Theory Models with Covariates*, \$60,000
- 2005-2006 Co-PI with S. Tettegah, University of Illinois Research Board, *From Narratives, multimedia, and empathy to statistical modeling*, \$15,400
- 2005-2006 Co-PI with S. Tettegah, National Center for Super Computing Applications, *An Integrated Technological Approach to Vignette Based Research: From Presentation to Statistical Modeling*, \$21,000.
- 2005-2008 Statistical Consultant. Nicole Allen (PI). National Institute of Justice. *Coordinating the Criminal Justice Response to Intimate Partner Violence: The Effectiveness of Councils in Producing Systems Change*. \$356,830.
- 2008-2009 Statistical Consultant. Sarah Lubienski (PI). Institute of Educational Sciences. *A Longitudinal Study of Gender and Mathematics Using ECLS-K Data*. \$314,367.
- 2010-2012 Senior Personal. Brendesha Tynes (PI), David Williams & Veronic Aghayan, Adriana Umana-Taylor (Co-investigators). National Institutes of Health. *Racial Discrimination in Online Context: The Impact on Adolescent Adjustment Over Time*. \$1,421,145.
- 2012-2013 Co-PI, D. Espelage (PI). National Insitute of Justice. *Bullying, Sexual, and Dating Violence Trajectories from early to late adolescence*. \$1,415,635.

## Professional Societies

- American Education and Research Association (AERA)
- American Psychological Association (APA), Division 5
- The Classification Society
- Psychometric Society
- Society for Multivariate Experimental Psychology (SMEP)

## Professional Activities

- 2003-2011 Member, Board of Directors, Classification Society
- 2005-2009 Member, Board of Trustees, Psychometric Society
- 2009-2012 Member, APA Division 5 membership committee (chair 2010-2011)

### Grant Reviews and Review Panels

1998	Ad hoc external reviewer of NSF/MMS grant
2000	Ad hoc external reviewer of NSF/MMS grant
2000	NIMH-NIDA – grant reviewer & site visitor
2007-2008	ETS Travel grant review
2007	NIH – CSR grant reviewer
2010	NIH – NIGMS (National Institute of General Medical Science) review panel
2010, 2011	Ad hoc external reviewer NSF/MMS
2010-2011	Ad hoc external reviewer, Austrian Science Fund
2011	Ad hoc external reviewer, NWO Council for the Social Sciences (Netherlands Organization for Scientific Research)
2012-2013	NSF/MMS review panel (Methodology, Measurement and Statistics)

### Editorial Positions

1997-2001	Member, Editorial Board, <i>Journal of Educational and Behavioral Statistics</i>
2005-2008	Book Review Editor, <i>Psychometrika</i>
2003-2010	Member, Editorial Board, <i>Psychological Methods</i>
2010-current	Consulting Editor of <i>Psychological Methods</i>
2005-current	Associate Editor, <i>Psychometrika</i>
2010-current	Member, Editorial Board, <i>Journal of Educational and Behavioral Statistics</i>
2010-2011	Co-editor with Jeff Douglas of special issue of <i>Journal of Classification</i>

### Ad-hoc reviewer

*Applied Psychological Measurement*  
*IEEE Transactions*  
*Journal of the American Statistical Association*  
*Journal of Classification*  
*Journal of Educational and Behavioral Statistics*  
*Journal of Mathematical Psychology*  
*Journal of the Royal Statistical Society*  
*(European Journal of) Methodology*  
*Multivariate Behavioral Reserach*  
*Psychological Methods*  
*Psychometrkia*  
*Sociological Methods & Research*  
*Sociological Methodology*

### **Courses or Workshop Taught**

Applied Categorical Data Analysis  
Applied Multivariate Statistical Methods  
Hierarchical Linear Models (Multilevel Analysis)  
Psychological Measurement and Test Development  
Statistical Methods in Education  
Seminar in Quantitative and Evaluation Research Methodologies

**Publications**

- Wasserman, S., & Anderson, C. J. (1987). Stochastic a posteriori blockmodels: Construction and assessment. *Social Networks*, 9, 1-36.
- Birnbaum, M. H., Anderson, C. J., & Hynan, L. G. (1989). Two operations for “ratios” and “differences” of distances of the mental map. *Journal of Experimental Psychology: Human Perception and Performance*, 15, 785-796.
- Anderson, C. J., Wasserman, S., & Faust, K. (1992). Building stochastic blockmodels. *Social Networks*, 14, 137-161.
- Weber, E. U., Anderson, C. J., & Birnbaum, M. H. (1992). A theory of perceived risk and attractiveness. *Organizational Behavior and Human Decision Processes*, 52, 492-523.
- Anderson, C. J., & Wasserman, S. (1995). Log multiplicative models for valued social relations. *Sociological Methods and Research*, 24, 96-127.
- Anderson, C. J. (1996). The analysis of three-way contingency tables by three-mode association models. *Psychometrika*, 61, 465-483.
- Farmer, H., Rotella, S., Anderson, C. J., & Wardrop, J. (1998). Gender differences in science careers. *Journal of Vocational Behavior*, 53, 73-96.
- Anderson, C. J., Wasserman, S., & Crouch, B. (1999). A primer on logit models for social networks. *Social Networks*, 21, 37-66.
- Anderson, C. J., & Böckenholt, U. (2000). Graphical regression models for polytomous variables. *Psychometrika*, 65, 497-509.
- Anderson, C. J., & Vermunt, J. K. (2000). Log-multiplicative association models as latent variable models for nominal and/or ordinal data. *Sociological Methodology*, 30, 81-121.
- Anderson, C. J. (2002). Analysis of multivariate frequency data by graphical models and generalizations of the multidimensional row-column association model. *Psychological Methods*, 7, 446-467.
- Templin, J., Moon-Ho, R. H., Anderson C. J., & Wasserman, S (2003). Mixed effects p\* model for multiple social networks. *Proceedings of the American Statistical Association, Brain Imaging Section* [CD-ROM]. San Francisco, CA: American Statistical Association.
- Vermunt, J. K., & Anderson, C. J. (2005). Joint correspondence analysis (JCA) by maximum likelihood. *Methodology*, 1, 18-26.
- Anderson, C. J., & Yu, H. T. (2007). Log-multiplicative association models as item response models. *Psychometrika*, 72, 5-23. Published online January 30, 2007. DOI: 10.1007/s11336-005-1419-2.
- Tettegah, S., & Anderson, C. J. (2007). Pre-service teachers’ empathy and cognitions: Statistical analysis of text data by graphical models. *Contemporary Educational Psychology*, 32, 48-82. Published online DOI: <http://dx.doi.org/10.1016/j.cedpsych.2006.10.010>.

- Anderson, C. J., Li, Z., & Vermunt, J. K. (2007). Estimation of models in a Rasch family for polytomous items and multiple latent variables. *Journal of Statistical Software*, 20. Published online DOI: <http://www.jstatsoft.org/v20/i06/v20i06.pdf>
- Buki, L., Jamison, J, Anderson, C. J., & Curdera, A. M. (2007). Predictors of mammography and Pap smear screening in Latina women. *Cancer*. DOI: 10.1002/cncr.22929.
- Lee, H.-K., & Anderson, C. J. (2007). Validity and topic generality of a writing performance test. *Language Testing*, 24, 307-330.
- de Rooij, M., & Anderson, C. J. (2007). Visualizing, summarizing, and comparing odds ratio structures. *Methodology*, 3, 139-148.
- Shim, S. S., Ryan, A. M., & Anderson, C. J. (2008). The development of achievement goals and achievement during early adolescence: An example of time-varying predictor and outcome variables in growth curve analysis. *Journal of Educational Psychology*. DOI: 10.1037/0022-0663.
- Spanierman, L.B., Todd, N.R., & Anderson, C.J. (2009). Psychosocial Costs of Racism to Whites: Understanding Patterns among University Students. *Journal of Counseling Psychology*.
- Rutkowski, L., Vasterling, J.V., Procter, S.P., & Anderson, C.J. (2010). Posttraumatic stress disorder and standardized test-taking ability. *Journal of Educational Psychology*, 102, 223-233.
- Anderson, C.J., Verkuilen, J.V., Peyton, B.L. (2010). Modeling polytomous item responses using simultaneously estimated multinomial logistic regression models. *Journal of Educational & Behavioral Statistics*, 35, 422-452 .
- Oh, E., Choi, C.C., Neville, H.A., Anderson, C.J., & Landrum-Brown, J. (2010). Beliefs about affirmative action: A test of the group self-interest and racism beliefs models. *Journal of Diversity in Higher Education*, 3, 163-176.
- Javdani, S., Allen, N.E., Todd, N.R, Anderson, C.J. (2011). Examining systems change in the response to domestic violence: Innovative applications of multilevel modeling. *Violence Against Women*, 17, 359-375. DOI:10.1177/1077801211398621.
- Wilson, T, Perry, M. & Anderson, C.J., Grosshandler, D. (2011). Engaging Young Students in Scientific Investigations: Prompting for Meaningful Reflections. *Instructional Science*. DOI: 10.1007/s11251-011-9168-3.
- Brennan R. Payne, B.R., Gao, X., Noh, S.R., Anderson, C.J. & Stine-Morrow, E.A.L.( 2011). The effects of print exposure on sentence processing and text memory in older adults. *Aging, Neuropsychology and Cognition*. DOI:10.1080/13825585.2011.628376.
- Poteat, P., & Anderson, C.J. (2012). Developmental trajectories of prejudice from early to late adolescence: Social dominance and gender as predictors of change. *Developmental Psychology*. DOI: 10.1037/a0026906

Tynes, B.M., Umaña-Taylor, A.J., Lin, J., Anderson, C.J., & Giang, M.T. (2012). Online racial discrimination and the protective function of ethnic identity and self-esteem for African American adolescents. *Developmental Psychology*, 48, 343-355.

Anderson, C. J. (accepted, 2012). Multidimensional item response theory models with collateral information as Poisson regression models. *Journal of Classification*.

### Chapters in Books

Birnbaum, M. H., Anderson, C. J., & Hynan, L. G. (1990). Theories of bias in probability judgment. In J. P. Caverni, J. M. Fabre, & M. Gonzalez (Eds.), *Cognitive biases* (pp. 477-498). Amsterdam: Elsevier Science.

Anderson, C. J., Wasserman, S., & Faust, K. (2002). Building stochastic blockmodels. In J. Scott (Ed.), *Critical concepts: Social network analysis* (Vol 2, pp. 227-247). London: Routledge.

Kroonenberg, P. K., & Anderson, C. J. (2006). Additive and multiplicative models for three-way contingency tables: Darroch (1974) revisited. In M. Greenacre & J. Blasius (Eds.), *Multiple correspondence analysis and related methods* (pp. 455-486). New York: Chapman & Hall/CRC.

Anderson, C. J., & Rutkowski, L. (2008). Multinomial logistic regression. In J. Osborne (Ed.), *Best practices in quantitative methods*. (pp. 390-409). Thousand Oaks, CA: Sage.

Anderson, C. J. (2009). Categorical data analysis with a psychometric twist. In R. E. Millsap & A. Maydeu-Olivares (Eds.), *The Sage Handbook of quantitative methods in psychology* (pp. 311-336). Thousand Oaks: Sage.

### Encyclopedia Entries

Anderson, C. J. (2003). Expected frequency. In M. S. Lewis-Beck, A. Bryman, & T. F. Liao (Eds.), *Encyclopedia of social science research methods* (Vol. 1, pp 347-348). Thousand Oaks, CA: Sage.

Anderson, C. J. (2003). Saturated model. In M. S. Lewis-Beck, A. Bryman, & T. F. Liao (Eds.), *Encyclopedia of social science research methods* (Vol. 3, pp 997-998). Thousand Oaks, CA: Sage.

Anderson, C. J. (2003). Sparse table. In M. S. Lewis-Beck, A. Bryman, & T. F. Liao (Eds.), *Encyclopedia of social science research methods* (Vol. 3, pp 1049-1050). Thousand Oaks, CA: Sage.

Anderson, C.J. (2010). The Central Limit Theorem. In I. Wiener & E. Craighead (Editors) *Corsini's Encyclopedia of Psychology*, 4<sup>th</sup> Edition. (pp 283-285).

### Published Book Reviews

Anderson, C. J. (1989). Review of *Eigenvalue Techniques for Qualitative Data* by Abby Israels. *Journal of Classification*, 6, 147-152.

- Anderson, C. J., & Wasserman, S. (1993). Recent developments in categorical data analysis: A review of *Categorical Data Analysis* by Alan Agresti and *Multiway Contingency Tables Analysis for the Social Sciences* by Thomas Wickens. *Journal of Mathematical Psychology*, 37, 299-310.
- Anderson, C. J. (1997). Review of *An Introduction to Categorical Data Analysis* by Alan Agresti. *Chance*, 10, 44-46.
- Anderson, C. J. (2005). Review of *Applied Longitudinal Data Analysis: Modeling Change and Event Occurrence* by Judith D. Singer and John B. Willett. *Journal of the American Statistical Association*, 100, 352-353.

### Technical Reports

- Birnbaum, M. H., Anderson, C. J., & Hynan, L. G. (1990). *Theories of bias in probability judgment* (Tech. Rep. No. MBS 90-10). Irvine: University of California, Irvine Research Unit in Mathematical Behavioral Sciences.
- Allen, N.E., Anderson, C.J., Newman, D., Lehrner, A., Larson, S., Javdani, S., Rana, S., Todd, N., Walden, A., & Davis, S. (May 2009). *Coordinating the Criminal Justice Response to Intimate Partner Violence: The Effectiveness of Councils in Producing Systems Change*. National Institute of Justice. Technical report submitted to National Institute of Justice.

### Work In Progress

- Anderson, C.J., Verkuilen, J.V., Johnson, T. (in preparation). *Applied Generalized Linear Mixed Models: Continuous and Discrete Data*. Contract with Springer.
- Anderson, C.J., Kim, J.S., & Keller, B (in preparation). Multilevel Modeling of Discrete Response Variables. In L. Rutkoswki, M. von Davier, & D. Rutkowki (eds) *A Handbook of International Large-Scale Assessment: Background, Technical Issues, and Methods of Data Analysis*.
- Kim, J.S., Anderson, C.J. & Keller, B (in preparation). Multilevel Modeling in Large-Scale Assessments. In L. Rutkoswki, M. von Davier, & D. Rutkowki (eds) *A Handbook of International Large-Scale Assessment: Background, Technical Issues, and Methods of Data Analysis*.
- Ali, U.S., Chang, H.H., & Anderson, C.J. (under revision). Development of location indices for polytomous items in IRT.
- Anderson, C.J. (in preparation). Estimation of multidimensional polytomous item response models using fully conditionally specified models.
- Helwig, N. & Anderson, C.J. (in preparation). Review of *Handbook of Advanced Multilevel Analysis* by Joop J. Hox and J. Kyle Roberts.
- Allen, N.E., Todd, N.R., Anderson, C.J., Davis, S.M., & Javdani, S. (in preparation). Council-based approaches to intimate partner violence: Evidence for distal change in the systems

response.

### Invited Presentations

- Weber, E. U., & Anderson, C. J. (1988, August). *Differences in perception of risk: Individual differences versus situational context*. Paper presented at the XXIV International Congress of Psychology, Sydney, Australia.
- Anderson, C. J. (1995, August). *Models for the analysis of interactions in three-way contingency tables*. Paper presented at the annual meeting of the American Psychological Association, New York.
- Anderson, C. J., Ho, M. R., & Wasserman, S. (2002, June). *Mixed effects  $p^*$  model for multiple social networks*. Paper presented at the meeting of the Classification Society of North America, University of Wisconsin, Madison.
- Kroonenberg, P. K., & Anderson, C. J. (2003, July). *Additive and multiplicative models for three-way contingency tables: Darroch (1974) revised*. Paper presented at the International Conference on Correspondence Analysis and Related Methods, Pompeu Fabra University, Barcelona, Spain.
- Templin, J., Ho, M. R., Anderson, C. J., & Wasserman, S. (2003, August). *Mixed effects  $p^*$  model for multiple social networks*. Paper presented at the Joint Statistical Meetings, San Francisco, CA.
- Anderson, C. J., & Yu, H. T. (2004, June). *Log-multiplicative models as item response theory models*. Paper presented at the International Meeting of the Psychometric Society (IMPS), Pacific Grove, CA.
- Hisu, Y. T., & Anderson, C. J. (2004, June). *Empirical comparisons of standard item response theory models and log-multiplicative association models*. Paper presented at the International Meeting of the Psychometric Society (IMPS), Pacific Grove, CA.
- Anderson, C. J. (2004, October). *Beyond chi-square test of independence: Modeling association in multivariate categorical data*. Paper presented at the Department of Psychology Colloquium, University of Washington, St. Louis.
- Anderson, C. J. (2010, July). *Advances in models for multivariate nominal or ordinal variables with latent variables*. State of the Art Lecture, International Meeting of the Psychometric Society, Athens, GA.

### Presentations

- Birnbaum, M. H., Anderson, C. J., & Hynan, L. G. (1984, November). *Trouble for ratio theory: "Ratios" and "differences" of stimulus intervals*. Paper presented at the meeting of the Psychonomic Society, San Antonio, TX.
- Birnbaum, M. H., Anderson, C. J., & Hynan, L. G. (1985, November). *Theories of the conjunction fallacy and conditional probability*. Paper presented at the meeting of the Psychonomic Society, Boston.

- Birnbaum, M. H., Anderson, C. J., & Hynan, L. G. (1986, August). *Theories of the conjunction fallacy and conditional probability*. Paper presented at the meeting of the Society of Mathematical Psychology, Boston.
- Wasserman, S., & Anderson, C. J. (1987, February). *Stochastic a posteriori blockmodels: Construction and assessment*. Paper presented at the annual Social Network Conference, Santa Barbara, CA.
- Weber, E. U., & Anderson, C. J. (1987, May). *Subjective risk and attractiveness: One construct or two*. Paper presented at the annual meeting of the Midwestern Psychological Association, Chicago (presented by the second author).
- Anderson, C. J. (1988, April). *Multiattribute evaluation: Measurement of importance and value*. Paper presented at the annual meeting of the Midwestern Psychological Association, Chicago.
- Weber, E. U., & Anderson, C. J. (1988, August). *Differences in perception of risk: Individual differences versus situational context*. Paper presented at the XXIV International Congress of Psychology, Sydney, Australia.
- Weber, E. U., Anderson, C. J., & Birnbaum, M. H. (1990, June). *Similarities and differences between measures of perceived risk and of attractiveness of lotteries*. Paper presented at the Fifth International Conference on the Foundation and Applications of Utility, Risk, and Decision Theories, Duke University.
- Wasserman, S., & Anderson, C. J. (1991, August). *Building stochastic blockmodels*. Paper presented at the Conference on Measurement Theory and Social Networks, University of California, Irvine.
- Anderson, C. J., & Wasserman, S. (1993, May). *Association models for longitudinal dyadic interactions*. Paper presented at the Conference on the Analysis of Categorical Variables in Developmental Research, Pennsylvania State University.
- Anderson, C. J. (1993, June). *Three-mode models for the analysis of multivariate, longitudinal categorical data*. Paper presented at the annual meeting of the Psychometric Society, University of California, Berkeley.
- Anderson, C. J. (1994, June). *Log multiplicative models for the analysis of valued social relations*. Paper presented at the annual meeting of the Psychometric Society, University of Illinois at Urbana-Champaign.
- Anderson, C. J. (1994, November). *The analysis of multivariate interactions in multiway contingency tables*. Paper presented at the Department of Educational Psychology Colloquia, University of Illinois at Urbana-Champaign.
- Crabtree, S., Farmer, H. S., Wardrop, J., & Anderson, C. J. (1995, August). *Gender differences in science careers: Prestige level and Holland type*. Paper presented at the annual meeting of the American Psychological Association, New York.

- Anderson, C. J., & Hsieh, J. (1996, April). *Logit multiplicative models: Alternatives to saturated loglinear and logit models*. Paper presented at the annual meeting of the American Educational Research Association, New York.
- Anderson, C. J., & Böckenholt, U. (1996, June). *Individual level RC(M) association models with covariates*. Paper presented at the annual meeting of the Psychometric Society, Banff, Alberta.
- Anderson, C. J., & Walker, C. M. (1997, March). *Ordering techniques of exploratory analysis of multivariate polytomous item response data*. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago.
- Anderson, C. J. (1998, June). *New PhD roundtable discussion* (chair and organizer). The 1998 Joint Meeting of the Psychometric Society and the Classification Society of North America, University of Illinois at Urbana-Champaign.
- Anderson, C. J. (1998, June). *Opening remarks*. Presented at the 1998 Joint Meeting of the Psychometric Society and the Classification Society of North America, University of Illinois at Urbana-Champaign.
- Anderson, C. J., & Böckenholt, U. (1998, June). *RC(M) regression models with fixed and random effects*. Paper presented at the 1998 Joint Meeting of the Psychometric Society and the Classification Society of North America, University of Illinois at Urbana-Champaign.
- Anderson, C. J., Ho, M. R., & Wasserman, S. (2002, June). *Mixed effects  $p^*$  model for multiple social networks*. Paper presented at the meeting of the Classification Society of North America, University of Wisconsin, Madison.
- Anderson, C. J., & Vermunt, J. K. (2002, June). *Estimation of log-multiplicative association models for really large contingency tables*. Paper presented at the meeting of the Psychometric Society, University of North Carolina, Chapel Hill.
- Ker, H. W., Wardrop, J., & Anderson, C. J. (2003, January). *Application of linear mixed-effects models in longitudinal data: A case study*. Paper presented at the International Conference on Education, Honolulu, HI.
- Anderson, C. J., & Yu, H. T. (2003, April). *Relationship between item response theory models and log-multiplicative association models*. Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Anderson, C. J. (2003, June). *A class of multivariate logistic regression models for multicategory response data*. Paper presented at the meeting of the Classification Society of North America, Florida State University, Tallahassee.
- Buki, L. P., Jamison, J., Anderson, C. J., & Cuadra, A. M. (2004, April). *Education about cancer predicts mammography and Pap smear screening among Latina women*. Paper presented at the annual meeting of American Educational Research Association, San Diego, CA.
- Anderson, C. J., & Tettegah, S. (2006, March). *What simulation and statistical analyses tell us about empathy*. Paper presented at the Bureau of Educational Research, University of Illinois at Urbana-Champaign.

- Tettegah, S., & Anderson, C. J. (2006, April). *Statistical analysis of text data by item response theory with covariates: Perservice teachers' empathy*. Paper presented at the annual meeting of American Educational Research Association, San Francisco.
- Anderson, C. J., & Tettegah, S. (2006, May). *Graphical modeling of coded text data: Modeling and measurement of empathy*. Paper presented at the meeting of the Classification Society of North America, Rutgers University, Piscataway, NJ.
- Anderson, C. J., Li, Z., & Vermunt, J. K. (2006, June). *Pseudo-likelihood estimation of Rasch models as log linear by linear association models*. Paper presented at the annual meeting of the Psychometric Society, Montreal.
- Li, Z., & Anderson, C.J. (2008, June). *Modeling Rasch related concomitant-variable models: rest-total score approach to estimating parameters*. Paper presented at the Annual meeting of the Classification Society, St Louis, MO.
- Li, Z. & Anderson, C.J. (2008, June). Log-linear models as Rasch models with collateral information. Paper presented at the annual International Meeting of the Psychometric Society (IMPS), Dover, NH.
- Anderson, C.J. (2009, June). Simultaneous estimation of multinomial logistic regression models: factor analysis of polytomous item response data with covariates. Paper presented at the Annual meeting of the Classification Society, St. Louis, MO.