

# James P. Selig

University of New Mexico  
Educational Psychology Program  
118 Simpson Hall, MSC05-3040  
1 University of New Mexico  
Albuquerque, NM 87131  
e-mail: selig@unm.edu phone: (505) 277-4317

## Academic Appointments

Assistant Professor, Educational Psychology (2009 – present)  
University of New Mexico, Albuquerque, NM

## Education

Ph.D. Quantitative and Developmental Psychology, University of Kansas, 2009  
Dissertation: *Where has the time gone? The role of time lags in models for longitudinal data.*  
M.A. Applied Psychology, University of Arkansas at Little Rock, 2002  
B.A. Psychology & Philosophy, University of Arkansas at Little Rock, 1995

## Publications

- McNamara, K. A., Selig, J. P., & Hawley, P. H. (in press). A typological approach to the study of parenting: associations between maternal parenting patterns and child behaviour and social reception. *Early Child Development and Care.*
- Selig, J. P., & Preacher, K. J. (2009). Mediation models for longitudinal data in developmental research. *Research in Human Development, 6*, 144-164.
- Zuna, N. I., Selig, J. P., Summers, J. A., & Turnbull, A. (2009). Confirmatory factor analysis of a family quality of life scale for families of children without disabilities. *Journal of Early Intervention, 31*, 111-125..
- Card, N. A., Selig, J. P. & Little, T. D. (Eds.) (2008). *Modeling Dyadic and Interdependent Data in the Developmental and Behavioral Sciences.* New York, NY: Routledge.
- Card, N. A., Little, T. D., Selig, J. P. (2008). Using the bivariate Social Relations Model to study dyadic relationships: Early adolescents' perceptions of friends' aggression and prosocial behavior. In N. A. Card, J. P. Selig, & T. D. Little (Eds.) *Modeling Dyadic and Interdependent Data in the Developmental and Behavioral Sciences.* New York, NY: Routledge.
- Selig, J. P., McNamara, K. A., Card, N. A., & Little, T. D. (2008). Techniques for Modeling Dependency in Interchangeable Dyads. In N. A. Card, J. P. Selig, & T. D. Little (Eds.) *Modeling Dyadic and Interdependent Data in the Developmental and Behavioral Sciences.* New York, NY: Routledge.
- Selig, J. P., Card, N. A., & Little, T. D. (2008). Latent variable structural equation modeling in cross-cultural research: Multigroup and multilevel approaches. In F.J.R. van de Vijver, D.A. van Hemert & Y. Poortinga (Eds.) *Individuals and cultures in multi-level analysis.* Mahwah, NJ: Lawrence Erlbaum Associates.
- Shears, J. K., Whiteside-Mansell, L. McKelvey, L. & Selig, J. (2008). Assessing mothers' and fathers' authoritarian attitudes: The psychometric properties of a brief survey. *Social Work Research, 32*, 179-184.
- Blevins-Knabe, B., Whiteside-Mansell, L. & Selig, J.P. (2007). Parenting and mathematical development. *Academic Exchange Quarterly, 11*, 76-80.

Little, T. D., Preacher, K. J., Selig, J. P., & Card, N. A. (2007). New developments in latent variable panel analyses of longitudinal data. *International Journal of Behavioral Development, 31*, 357-365.

## Conference Presentations

- Selig, J. P., & Preacher, K. J., Card, N. A., & Little, T. D. (2008, August). *Multilevel multiple membership models for dyadic data*. Poster presented at the annual meeting of the American Psychological Association, Boston, Massachusetts.
- Selig, J. P., Wu, Y. P., & Preacher, K. J. (2008, April). *Parenting and the home environment as mediators of the relationship between maternal depression and child vocabulary*. Poster presented at the biennial meeting of the Society for Research in Human Development, Little Rock, Arkansas
- Selig, J. P., McNamara, K. A., Ash, A. C., Hawley, P. H. (2007, March). *Parenting and children's Big-Five personality traits*. Poster presented at the Biennial Meeting for the Society for Research in Child Development, Boston, Massachusetts.
- McNamara, K. A., Selig, J. P., Hawley, P. H., Ash, A. C. (2007, March). *Parenting, child aggression, and peer acceptance*. Poster presented at the 2007 Biennial Meeting for the Society for Research in Child Development, Boston, Massachusetts.
- Baggett, K. M., Carta, J., Selig, J. P., & Eshbaugh, E. (2007, March). *A meta-analytic review of interventions for improving parenting of very young children*. Poster presented at the 2007 Biennial Meeting for the Society for Research in Child Development, Boston, Massachusetts.
- Puma, J., Leboeuf, W. A., Carta, J., Spellmann, M., Rodriguez, E. T., Watt, N. F., & Selig, J. P. (2007, March). *Cumulative risk and early childhood outcomes: A comparison of the predictive ability of cumulative risk indices across domains*. Poster presented at the 2007 Biennial Meeting for the Society for Research in Child Development, Boston, Massachusetts.
- Little, T. D., & Selig, J. P. (August, 2007). *Overview of the Issues in Testing for Factorial Invariance*. Paper presented at the annual meeting of the American Psychological Association, San Francisco, CA.
- Atwater, J. B., Lefever, J. B., Guest, K. C., Selig, J. P. Keener, L. (2006, June) *Becoming a parent for the first time: A structural model of adolescent and adult mothers' cognitive and emotional readiness to parent during pregnancy and their observed parenting at 4 months*. Paper presented at the 2006 Head Start National Research Conference, Washington DC.
- Selig, J. P., Carta, J., Peterson, C. A., Atwater, J. B., Luze, G., & Little, T. D. (2006, June). *Low-income families' changing risk over time: A longitudinal examination of a cumulative risk index*. Poster presented at the 2006 Head Start National Research Conference, Washington DC.
- LeBoeuf, W. A., Puma, J. E., Carta, J. J., Spellman, M., Rodriguez, E., Watt, N. F., & Selig, J. P. (2006, June). *Optimizing the power of prediction: Second generation of research on cumulative risk and early childhood outcomes*. Poster presented at the 2006 Head Start National Research Conference, Washington DC.
- Blevins-Knabe, B., Selig, J. P., & Whiteside-Mansell, L. (2005, April). *Maternal math skills and children's math performance*. Paper presented at the 2005 Biennial Meeting for the Society for Research in Child Development, Atlanta, Georgia.
- Selig, J. P., Ledford, E., Card, N. A. & Little, T. D. (2005, April). *When personalities clash: Big five personality and mutual antipathy among children*. Paper presented at the 2005 Biennial Meeting for the Society for Research in Child Development, Atlanta, Georgia.

- Whiteside-Mansell, L., Vogel, A. L., Hanson, K. L., Conners, N. A., Selig, J., Evans, C. J. (2004, August). *Moderation of interpartner conflict and parenting on child behavior*. Poster presented at the 18th Biennial meeting for the International Society for the Study of Behavioral Development, Ghent, Belgium.
- Selig, J., Deere, D., Edwards, M., Amundson, C. L., & Whiteside-Mansell, L. (2003, November). *Patterns of risk behavior in adolescents*. Paper presented at the annual meeting of the Mid-South Educational Research Association, Biloxi, Mississippi.
- Pittenger, J.B., Selig, J., & Hodge-Selig, A. (1997, July). *Sounds about full to me: Learning to use auditory information to fill vessels*. Poster presented at the 9th International Conference on Perception and Action, Toronto, Canada.
- Selig, J., Hodge-Selig, A., & Webb, R. (1997, April). *Applicant response distortion on personality measures*. Paper presented at the 4th Annual Arkansas Undergraduate Research Conference, Arkadelphia, Arkansas.

## Awards

- Society for Multivariate Experimental Psychology Dissertation Award, 2007  
 Society for Research in Child Development Student Travel Award, 2007  
 Post Master's Fellowship, Department of Psychology, University of Arkansas at Little Rock, 2002-2004

## Service & Affiliations

- Graduate Student Representative for Quantitative & Developmental Programs, 2006  
 Society for Research in Child Development, Graduate Student Member since 2005.  
 American Psychological Association, Graduate Student Member since 2008.  
 Society for Research in Human Development, Graduate Student Member since 2008.  
 Psychometric Society, Graduate Student Member since 2008.

## Research Positions

- Research Assistant*, University of Kansas, Summer 2008. I worked with Dr. Kristopher Preacher collaborating on a variety of projects involving the statistical analysis of mediation effects in longitudinal data.
- Quantitative Analyst*, Juniper Gardens Children's Project, Kansas City, Kansas, June 2004 to August 2006. This was a consulting position in which I provided statistical services to investigators in this division of the University of Kansas Lifespan Institute.
- Research Assistant*, University of Arkansas for Medical Sciences, Partners for Inclusive Communities, Little Rock, Arkansas, June 2002 to May 2004. I assisted Dr. Leanne Whiteside-Mansell with numerous program evaluations, performed SAS and SPSS programming, and led a project analyzing health data for the Arkansas Department of Health.
- Research Assistant*, University of Arkansas at Little Rock, August 1996 to May 1997. I worked with Dr. John Pittenger on a research project to learn about human sensitivity to acoustic information for vessel filling.
- Research Assistant*, University of Arkansas at Little Rock, June 1996 to January 1997. I worked under Dr. Roger Webb and Dr. John Faucett in conducting a job analysis project to create a hiring and promotion system for the Arkansas State Police.

## Teaching

### Undergraduate Course Instructor

*Intermediate Statistics in Psychological Research*, University of Kansas (Fall 2008).

*Statistics in Psychological Research*, University of Kansas (Summer 2007 & Summer 2008).

*Statistics II*, Baker University, (Fall 2005).

*Statistics & Methods I*, University of Arkansas at Little Rock (Fall 2002 to Spring 2004)

*Statistics & Methods II*, University of Arkansas at Little Rock (Fall 2002 to Spring 2004)

*General Statistics*, University of Arkansas at Little Rock (Fall 2001 & Spring 2002).

### Graduate Course Teaching Assistant

*Longitudinal Modeling*, Professor Todd Little, University of Kansas (Spring, 2008).

*Factor Analysis*, Asst. Professor Kristopher Preacher, University of Kansas (Spring, 2008).

*Structural Equation Modeling*, Professor Todd Little, University of Kansas (Fall, 2007 & Spring, 2007).

*Multilevel Modeling*, Asst. Professor Kristopher Preacher, University of Kansas (Fall, 2007).

*Computer Statistical Packages: Use in Psychology*, Adjunct Professor John Chelonis, University of Arkansas at Little Rock (Fall 2001 – Spring 2002).

### Undergraduate Course Teaching Assistant

*Statistics & Methods I & II*, Professor John Pittenger, University of Arkansas at Little Rock (Fall 2000 – Spring 2002).

## References

Noel A. Card, Ph.D. Assistant Professor, Division of Family Studies & Human Development  
University of Arizona, Family and Consumer Sciences Bldg.

650 N Park Ave Tucson, AZ 85721-0078

Phone: (520) 621-1075 Fax: (520) 621-9445 Email: ncard@email.arizona.edu

Todd D. Little, Ph.D. Professor, Quantitative Psychology

University of Kansas, Dept. of Psychology

1415 Jayhawk Blvd. Rm 426

Lawrence, Kansas 66045-7556

Phone: (785) 864-9804 Fax: (785) 864-5696 Email: yhat@ku.edu

Kristopher J. Preacher, Ph.D. Assistant Professor, Quantitative Psychology

University of Kansas, Dept. of Psychology

1415 Jayhawk Blvd. Rm 426

Lawrence, Kansas 66045-7556

Phone: (785) 864-1771 Fax: (785) 864-5696 Email: preacher@ku.edu