

# Shelley A. Blozis

## Education

University of Minnesota	Psychology	Ph.D. 1993-1998
California State University, Fullerton	Psychology	M.A. 1991-1993
California State University, Fullerton	Psychology	B.A. 1985-1990

## Professional Memberships

Psychometric Society  
American Statistical Association  
American Educational Research Association  
American Psychological Association  
American Psychological Society

## Awards

1999 Faculty Research Award (competitive), University Research Institute, The University of Texas at Austin  
1999 Travel Award, Institute for Science Education, Kiel, Germany  
2004 Faculty Travel Award, University of North Carolina, Chapel Hill  
2004 Faculty Travel Award, University of California, Davis  
2006 Invited talk with conference registration award: "On Specifying Covariance Structures in Linear Latent Curve Models to Multiple Longitudinal Variables." International Meeting of the Psychometric Society, Montreal, Canada, 14-17 June.

## Academic Employment

1998-2001 Assistant Professor, Department of Educational Psychology, UT Austin  
2001-2008 Assistant Professor, Department of Psychology, UC Davis  
2008-present Associate Professor, Department of Psychology, UC Davis

## Professional Activities

Associate Editor, American Psychological Association, *Dictionary of Statistics and Research Methods in Psychology*

Editorial Board Member:

*Psychological Methods* (2003-present)

Ad-Hoc Reviewer:

### **Journals**

*Developmental Psychology, Psychological Methods, Prevention Science, Applied Psychological Measurement, Journal of Statistics Education, Structural Equation Modeling, American Psychologist, Journal of Social and Clinical Psychology, Psychological Science, Behavior Research Methods, Drug and Alcohol Dependence, Journal of Experimental Psychology: Learning, Memory and Cognition, Psychology and Aging, The Business Journal of Hispanic Research, Psychology of Addictive Behaviors, Seeing and Perceiving, Journal of Educational and Behavioral Statistics*

### **Grants**

National Science Foundation

### **Professional Societies**

2007-2009 American Psychological Association, Division 5 (Evaluation, Measurement, and Statistics)

### **Books**

Springer series on "*Studies in Classification, Data Analysis, and Knowledge Organization*" (Carlo Lauro, Francesco Palumbo, & Michael Greenacre, Eds.)

Everitt, B. *Intermediate Statistics for Behavioral Science*. Chapman & Hall/CRC.

Wilcox, R. *Classic and Modern Statistical Methods: A Practical Introduction*. Chapman & Hall/CRC.

Mulaik, S. *The Foundations of Factor Analysis*. McGraw-Hill.

## **Other Professional Experience**

- 1999-2000 Statistician, Texas Department of Health, Austin, Texas
- 1999-2001 Research Associate, Department of Kinesiology and Health, UT Austin
- 1999-2001 Faculty Research Affiliate, Population Research Center, UT Austin
- 1999- Statistician, School of Nursing, UT Austin
- 1999- Faculty Research Affiliate, Center for Health Promotion and Disease Prevention, Research in Underserved Populations, School of Nursing, UT Austin
- 2001-2003 Statistician, Texas Department of Mental Health and Mental Retardation, Austin, Texas
- 2000-2003 Statistician, Texas Center for Reading & Language Arts, College of Educ., UT Austin
- 2003- Statistician, California National Primate Research Center, Brain Mind and Behavior Unit, UC Davis
- 2005 Course Instructor, Summer Program in Applied Statistical Methods, Center for Biostatistics, The Ohio State University
- 2007- Statistician, Vietnam Era Twin Study of Aging (VETSA), University of California, San Diego.
- 2007- Center Statistician & Executive Committee Member, Asian American Center on Disparities Research, UC Davis

## **Invited Talks/Session Chair/Courses/Symposia**

- 2002 Invited talk: "Latent Curve Models for the Study of Change in Multivariate Repeated Measures." Faculty Colloquium, Department of Psychology, California State University, Fullerton, CA, October.
- 2004 Invited course: "Hierarchical Linear Modeling." American Institutes for Research, Washington DC, 26-27 August.
- 2004 Invited course: "Hierarchical Linear Modeling." American Institutes for Research, Palo Alto, CA, 27-28 May.
- 2005 Invited course: "Multilevel Models." Summer Program on Applied Statistical Methods, Center for Biostatistics The Ohio State University, 18-22 July.
- 2006 Invited talk: "On Specifying Covariance Structures in Linear Latent Curve Models to Multiple Longitudinal Variables." International Meeting of the Psychometric Society, Montreal, Canada, 14-17 June.
- 2008 Invited Chair of a symposium entitled "Crossed Random Effects Models." International Meeting of the Psychometric Society, Durham, New Hampshire, 29 June - 2 July.
- 2008 Invited Organizer and Chair of a symposium entitled "Mixed-effects Models for Longitudinal Data" International Meeting of the Psychometric Society, Durham, New Hampshire, 29 June - 2 July.
- 2010 Invited talk: "Sensitivity Analysis of Mixed Models for Incomplete Longitudinal Data." Professional conference hosted by The Center for Integrated Latent Variable Research at the University of Maryland, entitled "Advances in Longitudinal Methods in the Social and Behavioral Sciences," June 17-18.

## **Research Grants** (*alphabetized*)

- Blozis, S.A. (PI)** (09/01/08 – 08/31/10). "Connecting Media Use and the Development of Obesity across Childhood." National Institute of Child Health and Human Development/RTI International (1 R01 HD053652-01), \$149,719.
- Blozis, S.A. (PI)** (01/01/07-12/31/09). "Linking developmental trajectories of media use and obesity from childhood to adolescence." William T. Grant Foundation/RTI International (200601036), \$138,357.
- Blozis, S.A. (PI)** (07/01/2006 - 06/30/2008). "Development of a Statistical Method for Longitudinal Data with High Frequencies of Zeros." Davis Division of the Academic Senate, Committee on Research, \$2,000.
- Brown, S.A. (PI), & Blozis, S.A. (Consultant)** (08/01/94 – 03/31/04). "Education and Group Support for Diabetic Hispanics. National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases (2 R01 DK48160), \$1,787,577.

- Capitanio, J. (PI), & **Blozis, S.A.** (Consultant) (07/01/03 – 06/30/05). “Simian AIDS: Social Stress, Endocrine and Immune Function.” National Institutes of Health/ National Institutes of Mental Health (RO1 MH49033), \$377,337.
- Capitanio, J.P. (PI), Bales, K. (Co-Investigator), & Blozis, S.A. (Co-Investigator) (9/15/07-9/14/11). “Methamphetamine, stress and SIV: Effects at blood-brain barrier and lymph nodes.” National Institute on Drug Abuse, National Institute of Health (R01 DA024441).
- Capitanio, J.P. (PI), & Blozis, S.A. (Consultant) (7/1/09-4/30/14). “Biobehavioral characterization of infant rhesus monkeys Investigate individual differences in patterns of behavioral, neuroendocrine, and immunological organization in rhesus macaques.” NIH/NCRR (R24 RR019970).
- Conger, R. (PI), Conger, K. (Co-Investigator), **Blozis, S.A.** (Co-Investigator), Burzette, R.G. (Co-Investigator), & Nepl, T. (Co-Investigator) (07/01/2004 - 06/30/2009). “Economic Stress and Child Development across Three Generations.” National Institute of Child Health and Human Development (1 RO1 HD047573-01), \$5,354,911.
- Costello, E. (PI), & **Blozis, S.A.** (Consultant) (10/01/03 – 09/30/06). “Multi-site Longitudinal Analysis of Psychiatric Risk of SUD.” National Institute on Drug Abuses, \$1,887,145.
- Hyde, D. (PI), & **Blozis, S.A.** (Consultant) (5/1/06-4/30/11). “Pulmonary Effects of Environmental Oxidant Pollutants.” National Institutes of Health/National Institute of Environmental Health Sciences (P01 ES00628), \$1,149,920.
- Long, D.L. (PI), **Blozis, S.A.** (Co-PI), & Widaman, K.F. (Co-PI) (07/01/03-06/30/05). “Reading and Comprehending Science Texts: The combined Influence of Reader and Text Characteristics.” The National Science Foundation, \$213,111.
- Long, D.L. (PI), **Blozis, S.A.** (Co-Investigator), Traxler, M. (Co-Investigator), & Widaman, K. (Co-Investigator) (07/01/06 – 06/30/11). “Reading Skill: Modeling Individual and Text Interactions.” National Institutes of Health (1R01HD048914-01A2), \$1,444,319.
- Mendoza (PI) (9/30/04 – 6/30/08). “The VETSA Longitudinal Twin Study of Cortisol and Aging.” National Institutes of Health (5 R01 AG022982), \$306,277.
- Miller, C. (PI), & **Blozis, S.A.** (Co-Investigator) (07/14/2005-3/31/2009). “Mechanisms of Protection in Live-attenuated AIDS Vaccine.” National Institutes of Health / National Institute of Allergy and Infectious Diseases (P01 AI066314), \$1,721,261.
- Stuifbergen, A. K. (PI), Becker, H. (Co-Investigator), Carter, P. (Co-Investigator), Timmerman, G. (Co-Investigator), & **Blozis, S.A.** (Consultant). (07/1/03-5/31/07). “Health Promotion for Woman with Fibromyalgia – Competing Continuation.” National Institute of Nursing Research, National Institutes of Health, \$1,342,323.
- Stuifbergen, A. K. (PI), Becker, H. (Co-Investigator), Harrison, T. (Co-Investigator), & **Blozis, S.A.** (Consultant) (08/1/05-5/31/10). “Health Promotion and Quality of Life in Chronic Illness – Competing Continuation.” National Institute of Nursing Research, National Institutes of Health, \$1,669,640.
- Stuifbergen, A. K. (PI), & **Blozis, S.A.** (Co-Investigator) (09/30/93 - 12/31/04). “Health Promotion and Quality of Life in Chronic Illness.” National Institute of Nursing Research, National Institute of Research, \$761,436.
- Vandewater, E., (PI), Huston, A.C. (Co-Investigator), & **Blozis, S.A.** (Consultant) (09/01/01 - 06/30/05). “Electronic Media Use and Children’s Well-Being.” National Institute of Child Health and Human Development (1 R01 HD40851), \$732,447.
- Zane, N. (PI), **Blozis, S.A.** (Co-Investigator) (07/16/2007 – 05/31/2012). “Asian American Center on Disparities Research.” National Institute of Mental Health (1P50MH073511-01A2), \$2,852,522.

## Service

### University Service

2002-2003	Member, Faculty Search Committee, Department of Political Science
2006-2010	Department Representative, Letters and Science Representative Assembly
2008-2010	Member, Transportation and Parking Committee
2009-2010	Member, Individual Majors Committee, College of Letters and Science

2009-2010 Member, Committee on International Studies and Exchanges

#### Department Service

2001-2002 Member, Undergraduate Curriculum Committee  
Host, Annual Spring Colloquium  
2002-2003 Member, Research and Computer Support Committee  
Member, Faculty Search Committee  
2003-2004 Chair, Research and Computer Support Committee  
2004-2006 Area Head, Quantitative Psychology Area  
2006-2009 Member, Research and Computer Support Committee  
2007 Presenter, Undergraduate Commencement Ceremony  
2008 Presenter, Graduate Commencement Ceremony  
2009-2010 Member, Graduate Curriculum Committee

#### Professional Service

2004 Instructor, Statistics Workshop in Multilevel Models, American Institutes for Research, Washington, D.C.  
2004 Instructor, Statistics Workshop in Multilevel Models, American Institutes for Research, Palo Alto, CA.  
2005 Instructor, Statistics Course in Multilevel Models, Summer Program in Applied Statistical Methods, Center for Biostatistics, The Ohio State University  
2005- Co-mentor, John A. Hartford Foundation Post Doctoral Scholar, Dr. Tracie Culp Harrison, School of Nursing, The University of Texas at Austin  
2007- Center Statistician and Member of the Executive Committee, Asian American Center on Disparities Research, UC Davis

#### Community Service

2004 Mentor, Student Senior Project, Las Lomas High School, Walnut Creek, CA  
2004-2008 Volunteer, Merryhill Elementary School, Davis, CA  
2006-2009 Volunteer, Marguerite Montgomery Elementary School, Davis, CA  
2008- Volunteer, Davis Little League, Davis, CA  
2008- Project Director: A longitudinal evaluation of an exercise program for school-aged children

#### **Professional Conference Presentations**

\* Denotes student/mentee

- (1.) 1997 **Blozis, S.A.** (March). *Mixed-effects models for repeated measures: Incorporating latent covariates of change*. A paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- (2.) 1997 **Blozis, S.A., & Cudeck, R.** (June). *Nonlinear models for repeated-measures data: A Comparison of Three Statistical Methods*. A paper presented at the annual meeting of the Psychometric Society, Gatlinburg, TN.
- (3.) 1999 **Blozis, S.A.** (April). *Estimation of construct validity when tests are not jointly observed*. A poster presented at the annual meeting of the American Educational Research Association, Montreal, Quebec, Canada.
- (4.) 1999 Fouladi, R. T., & **Blozis, S.A.** (June). *Modeling linear and nonlinear systems: The issue of model modification strategies*. A paper presented at the annual meeting of the Psychometric Society, Lawrence, KS.
- (5.) 1999 **Blozis, S.A.** (June). *Nonlinear mixed-effects models and structured latent curve models for nonlinear repeated measurement data*. A paper presented at the annual meeting of the Psychometric Society, Lawrence, KS.

- (6.) 1999 **Blozis, S.A.** & Cudeck, R. (July). *Conditionally linear mixed-effects models for repeated-measures data*. A paper presented at the European meeting of the Psychometric Society, Lueneburg, Germany.
- (7.) 1999 Patterson, J., **Blozis, S.A.**, Garwick, A., Bennett, F., Blum, R. (April). *Functioning over time among youth with chronic health conditions*. A poster presented at the annual meeting of the Society for Research in Child Development, Albuquerque, NM.
- (8.) 2000 Gottlieb, N., Guo, J., **Blozis, S.A.**, & Huang, P. (November). *Individual and contextual factors related to family practice residents' assessment and counseling for tobacco cessation*. A paper presented at the 128th Annual Meeting of the American Public Health Association, Boston, MA.
- (9.) 2001 Patterson, J., & **Blozis, S.A.** (November). *Emotional and social functioning of adolescents with chronic health conditions*. A paper presented at the NCFR Annual Conference, Rochester, NY.
- (10.) 2002 Toprac, M., Hoppe, S.K., Daggett, P., Wambach, K., Onken, S., Burek, S., & **Blozis, S.A.** (May). *The Texas EARNs Supported Employment Demonstration Project*. A paper presented at the 155<sup>th</sup> Annual Meeting of the American Psychiatric Association, Philadelphia, PA.
- (11.) 2003 Long, D., **Blozis, S.A.**, & Widaman, K. (June). *Skilled comprehension: A multilevel analysis of individual and text predictors of reading*. A paper presented at the 13<sup>th</sup> Annual Meeting of the Society for Text and Discourse, Madrid, Spain.
- (12.) 2004 Brown, S.A., **Blozis, S.A.**, Kouzekanani, K., Garcia, A.A., Hanis, C.L. (June). *Dosage effects of diabetes self-management education in Starr County.* A paper presented at the 2004 Scientific Sessions, American Diabetes Association, Orlando, FL.
- (13.) 2004 Maninger, N.\*, Capitanio, J.P., **Blozis, S.A.**, Ruys, J.D., & Mendoza, S.P. (June). *Differential effects of stressors on the hypothalamic-pituitary-adrenal hormones cortisol and DHEAS in adult male rhesus macaques*. A paper presented at the 27th Annual Meeting of the American Society of Primatologists, Madison, WI.
- (14.) 2004 **Blozis, S.A.** (June). *A second-order structured latent curve model for normal repeated measures*. A paper presented at the International Meeting of the Psychometric Society, Pacific Grove, CA.
- (15.) 2004 **Blozis, S.A.** (July-August). *Second-level regression analysis in multilevel models using recursive partitioning*. A poster presented at the American Psychological Association Annual Meeting, Honolulu, HI.
- (16.) 2005 Stuijbergen, A., **Blozis, S.A.**, Harrison, T.C.\*, & Becker, H. (July). *Functional limitations, exercise, and quality of life: A longitudinal study of persons with multiple sclerosis*. A poster presented at the 16th International Nursing Research Congress, Hawaii's Big Island.
- (17.) 2006 Xu, S.\*, **Blozis, S.A.**, & Conger, K. (March). *Tobacco smoking from adolescence to early adulthood: A longitudinal investigation*. A poster presented at the SRA Biennial Meeting, San Francisco, CA.
- (18.) 2006 **Blozis, S.A.** (June). *On specifying covariance structures in linear latent curve models to multiple longitudinal variables*. An invited paper presented at the International Meeting of the Psychometric Society, Montreal, Canada.
- (19.) 2006 Capitanio, J.P., Mason, W.A., Mendoza, S.P., Abel, K., & **Blozis, S.A.** (August). *Polymorphism in the serotonin transporter promoter and infectious disease*. An invited paper presented at the Annual Meeting of the American Society of Primatologists, San Antonio, TX.
- (20.) 2007 Williams, S.T.\*, Conger, K.J., & **Blozis, S.A.** (March-April). *Interpersonal aggression: Developmental pathways and contributions from multiple family environments*. A paper presented at the 2007 Biennial Meeting of SRCD, Boston, MA.
- (21.) 2007 Coffman, D.L., & **Blozis, S.A.** (August). *Evaluating individual fit in conditionally nonlinear growth curve models*. A poster presented at the American Psychological Association Annual Meeting, San Francisco, CA.
- (22.) 2007 Stamps, J., Davis, S., **Blozis, S.A.**, & Boundy-Mills, K. (July). *Genotypic variation in refractory periods and habitat selection*. A paper presented at the 44<sup>th</sup> annual meeting of the Animal Behavior Society, Burlington, VT.

- (23.) 2007 Jarcho, M.R., Mendoza, S.P., Mason, W.A., Blozis, S.A., & Bales, K.L. (June). Neuroendocrinology of maternal behavior in captive titi monkeys (*Callicebus cupreus*). A paper presented at the Annual Meeting of the American Society of Primatologists, Winston-Salen, NC.
- (24.) 2007 Kitzmann, C.D., Mendoza, S.P., Mason, W.A., Blozis, S.A., & Bales, K.L. (June). Neuroendocrine mechanisms of paternal behavior in the titi monkey (*Callicebus cupreus*). A paper presented at the Annual Meeting of the American Society of Primatologists, Winston-Salen, NC.
- (25.) 2008 Traxler, M.J., & **Blozis, S.A.** (March). Using multi-level modeling to investigate individual differences in sentence processing. Talk presented to the 21st annual meeting of the CUNY Sentence Processing Conference. Chapel Hill, NC.
- (26.) 2008 Coffman, D.L., & **Blozis, S.A.** (June-July). Residual Diagnostics for Evaluating Latent Growth Curve Models. An invited paper presented at the International Meeting of the Psychometric Society, Durham, N.H.
- (27.) 2008 **Blozis, S.A.** (June-July). Partially Nonlinear Crossed Random-Effects Models for Longitudinal Data. A paper presented at the International Meeting of the Psychometric Society, Durham, N.H.
- (28.) 2008 Xu, S.\*, & **Blozis, S.A.** (June-July). A Two-Part Mixed-Effects Model for Time-Use Data: A Comparison of Maximum Likelihood and Bayesian Estimation. A paper presented at the International Meeting of the Psychometric Society, Durham, N.H.
- (29.) 2008 Stuijbergen, A., **Blozis, S. A.**, Becker, H., Phillips, L., Timmerman, G., Kullberg, V., Taxis, C., Morrison, J. Lifestyle counts: Outcomes of a wellness intervention for women with fibromyalgia syndrome. A paper presented at the Washington, D.C. at the Omni Shoreham Hotel, October 2-4. The Congress program indicates through the designation of "abstract of distinction" that this abstract received the highest possible rating by reviewers.
- (30.) 2009 **Blozis, S. A.** (May). A Nonlinear Mixed Model for Longitudinal Data with Crossed Random Effects. A poster presented at the American Psychological Society Annual Convention, San Francisco, CA.
- (31.) 2009 **Blozis, S. A.**, & Vandewater, E. (May). Time-use behaviors vary by developmental age periods and gender. A poster presented at the 2009 American Psychological Society Annual Convention, San Francisco, CA.
- (32.) 2009 Villarreal, R., Blozis, S. A., & Peterson, R. (May). A structural equation model of Hispanic ethnicity: Implications for consumer behavior research. A poster presented at the 2009 American Psychological Society Annual Convention, San Francisco, CA.
- (33.) 2009 Vandewater, E. A. & **Blozis, S. A.** (June). Obesity, social isolation and media use among US youth. In D. Umberson (Chair), From Malnutrition to Obesity, Environmental challenges to Healthy Weight in Childhood. A paper presented at the Annual Meeting of the International Society for Behavioral Nutrition and Physical Activity, Lisbon, Portugal.
- (34.) 2009 Xu, S.\*, & Blozis, S. A. (August). Analysis of longitudinal data with many zeros. A paper to be presented at the Annual Meeting of the American Psychological Association, Boston, MA.
- (35.) 2010 Vandewater, E., & Blozis, S. A. (July). Time well spent? Childhood obesity and the displacement of physical activity by media use. A paper to be presented at 32nd annual meeting of the International Association for Time Use Research. Paris, France, 7-10 July.
- (36.) 2010 Blozis, S.A. (June). Sensitivity analysis of mixed models for incomplete longitudinal data. A paper to be presented at the annual conference entitled "Advances in Longitudinal Methods in the Social and Behavioral Sciences," hosted by The Center for Integrated Latent Variable Research at the University of Maryland.

## Publications

### Articles

- (1.) 1999 **Blozis, S.A.**, & Cudeck, R. Conditionally linear mixed-effects models with latent variable covariates. *Journal of Educational & Behavioral Statistics*, 24, 245-270.

- (2.) 1999 Scal, P., Evans, T., **Blozis, S.A.**, Okinow, N., & Blum, R. Trends in transition from pediatric to adult health care services for young adults with chronic conditions. *Journal of Adolescent Health, 24*, 259-264.
- (3.) 2000 Dodgson, J., Garwick, A., **Blozis, S.A.**, Patterson, J., Bennett, F., & Blum, R. The influence of uncertain chronic conditions of family caregivers of young children. *Journal of Family Nursing, 6*, 252-266.
- (4.) 2001 Gottlieb, N., Huang, **Blozis, S.A.**, Guo, J.L.\*, & Murphy-Smith, M. The impact of Put Prevention into Practice on selected clinical preventive services in five Texas sites. *American Journal of Preventive Medicine, 21*, 35-40.
- (5.) 2001 Gottlieb, N.H., Guo, J.L.\*, **Blozis, S.A.**, & Huang, P.P. Individual and contextual factors related to family practice residents' assessment and counseling for tobacco cessation. *The Journal of the American Board of Family Practice, 14*, 343-351.
- (6.) 2001 Guthmann, D., & **Blozis, S.A.** Unique issues faced by deaf individuals entering substance abuse treatment and following discharge. *American Annals of Deafness, 146*, 294-304.
- (7.) 2002 Segal, N.L., & **Blozis, S.A.** Psychobiological and evolutionary perspectives on coping and health characteristics following loss: A twin study. *Twin Research, 5*, 175-187.
- (8.) 2002 Segal, N.L., Sussman, L.J., Marelich, W.D., Mearns, J., & **Blozis, S.A.** Monozygotic and dizygotic twins' retrospective and current bereavement-related behaviors: An evolutionary perspective. *Twin Research, 5*, 188-195.
- (9.) 2003 Stuijbergen, A.K., Becker, H., **Blozis, S.A.** Timmerman, G., & Kullberg, V. A randomized clinical trial of a wellness intervention for women with multiple sclerosis. *Archives of Physical Medicine and Rehabilitation, 84*, 467-476.
- (10.) 2003 **Blozis, S.A.** Multilevel analysis: An introduction to basic and advanced multilevel modeling. *Psychometrika, 68*, 151-153.
- (11.) 2003 Vaughn, S., Linan-Thompson, S., Kouzekanani, K., Bryant, D., Dickson, S., & **Blozis, S.A.** Reading instruction grouping for students with reading difficulties. *Remedial and Special Education, 24*, 301-315.
- (12.) 2004 **Blozis, S.A.** Structured latent curve models for the study of change in multivariate repeated measures. *Psychological Methods, 9*, 334-353.
- (13.) 2005 Traxler, M.J., Williams, R.S., **Blozis, S.A.**, & Morris, R.K. Working memory, animacy and verb class in the processing of relative clauses. *Journal of Memory & Language, 53*, 204-224.
- (14.) 2005 Villarreal, R., **Blozis, S.A.**, & Widaman, K. Factorial invariance of a Pan-Hispanic familism scale. *Hispanic Journal of Behavioral Sciences, 27*, 409-425.
- (15.) 2005 Brown, S.A., **Blozis, S.A.**, Kouzekanani, K., Garcia, A.A., Winchell, M., & Hanis, C.L. Dosage effects of diabetes self-management education for Mexican Americans: The Starr County border health initiative. *Diabetes Care, 28*, 527-532.
- (16.) 2006 Stuijbergen, A.K., **Blozis, S.A.**, Harrison, T.C.\*, & Becker, H.A. Exercise, functional limitations and quality of life: A longitudinal study of persons with multiple sclerosis. *Archives of Physical Medicine and Rehabilitation, 87*, 935-943.
- (17.) 2006 Stamps, J. A., & **Blozis, S.A.** Effects of natal experience on habitat selection when individuals make choices in groups: A multilevel analysis. *Animal Behaviour, 71*, 663-672.
- (18.) 2006 **Blozis, S.A.** A second-order structured latent curve model for longitudinal data. In K. van Montfort, H. Oud, & A. Satorra (Eds.) *Longitudinal models in the behavioural and related sciences* (pp 189-214). Lawrence Erlbaum Associates.
- (19.) 2007 **Blozis, S.A.**, Feldman, B.\*, & Conger, R. Adolescent alcohol use and adult alcohol disorders: A two-part random-effects model with diagnostic outcomes. *Drug and Alcohol Dependence 88S*, S85-S96. doi:10.1016/j.drugalcdep.2006.12.008
- (20.) 2007 **Blozis, S.A.** On fitting nonlinear latent curve models to multiple variables measured longitudinally. *Structural Equation Modeling, 14*, 179-201.
- (21.) 2007 **Blozis, S.A.**, & Traxler, M. Analyzing individual differences in sentence processing performance using multilevel models. *Behavior Research Methods, 39*, 31-38.

- (22.) 2007 Brown, S.A., **Blozis, S.A.**, Kouzekanani, K., Garcia, A.A., Winchell, M., & Hanis, K.L. Health Beliefs of Mexican Americans with Type 2 Diabetes: The Starr County Border Health Initiative. *The Diabetes Educator*, 33, 300-308.
- (23.) 2007 **Blozis, S.A.**, Conger, K.J., & Harring, J.R. Nonlinear latent curve models for longitudinal data. *International Journal of Behavioral Development*, 31, 340-346.
- (24.) 2007 Genescà, M., Li, J., Fritts, L., Chohan, P., Abel, K., Bost, K., Rourke, T., **Blozis, S.A.**, McChesney, M.B., & Miller, C.J. Depo-Provera abrogates attenuated lentivirus-induced protection in male rhesus macaques challenged intravenously with pathogenic SIVmac239. *Journal of Medical Primatology*, 36, 266-275.
- (25.) 2007 Hyde, D.M., **Blozis, S.A.**, Avdalovic, M., Putney, L.F., DeTorre, R., Quesenberry, N., Singh, P., & Tyler, N.K. Alveoli increase in number but not mean volume from birth to adulthood in rhesus monkeys. *American Journal of Physiology: Lung Cellular and Molecular Physiology*, 293, L570-L579.
- (26.) 2007 Williams, S. T.\*, Conger, K.J., & **Blozis, S.A.** Interpersonal aggression: Developmental pathways and contributions from multiple family environments. *Child Development*, 78, 1526-1542.
- (27.) 2007 Stamps, J., Davis, J. **Blozis, S.A.**, & Boundy-Mills. Genotypic variation in refractory periods and habitat selection by natal dispersers. *Animal Behaviour*, 74, 599-610.
- (28.) 2007 **Blozis, S.A.** A Newton procedure for a conditionally linear mixed-effects model. *Behavior Research Methods*, 39, 695-708.
- (29.) 2008 Stuifbergen, A., Becker, H., **Blozis, S.A.**, Beal, C., & Park, I. Conceptualization and development of the Acceptance of Chronic Health Conditions Scale. *Issues in Mental Health Nursing*, 29, 101-114.
- (30.) 2008 **Blozis, S.A.**, Harring, J.R., & Mels, G. Using LISREL to fit nonlinear latent curve models. *Structural Equation Modeling*, 15, 356-379.
- (31.) 2008 **Blozis, S.A.**, & Cho, Y.I.\* Coding and centering of time in latent curve models in the presence of interindividual time heterogeneity. *Structural Equation Modeling*, 15, 413-433.
- (32.) 2008 Capitanio, J. P., Abel, K., Mendoza, S. P., Blozis, S. A., McChesney, M. B., Cole, S. W., & Mason, W. A. Personality and serotonin transporter genotype interact with social context to affect immunity and viral set-point in simian immunodeficiency virus disease. *Brain, Behavior, and Immunity*, 22, 676-689. (Epub 2007 Aug 23).
- (33.) 2008 Villarreal, R., **Blozis, S.A.**, & Jeong, J.J. Understanding adolescent Hispanic consumers: Advertising and branding implications. *Business Journal of Hispanic Research*, 2, 62-74.
- (34.) 2008 Harrison, T.\*, **Blozis, S.A.**, & Stuifbergen, A. Longitudinal predictors of attitudes toward aging among women with multiple sclerosis. *Psychology and Aging*, 23, 823-832.
- (35.) 2008 Prokosch, M.D.\*, Coss, R.G., Scheib, J.E., & **Blozis, S.A.** Intelligence and mate choice: Intelligent men are always appealing. *Evolution & Human Behavior*, 30, 11-20.
- (36.) 2009 Wang, Y., **Blozis, S. A.**, Ledermann, M., Krieg, A., Landay, A., & Miller, C. J. The enhanced antibody responses elicited by a CpG adjuvant does not improve the protective effect of an AT-2 inactivated SIV therapeutic AIDS vaccine. *Clinical and Vaccine Immunology*. (doi:10.1128/CVI.00471-08)
- (37.) 2010 **Blozis, S.A.** An Introduction to Multilevel Modeling Techniques. *Applied Psychological Measurement*, 34, 143-145.
- (38.) in press **Blozis, S.A.**, Cho, Y.I.\*, & Xu, S.\* Latent curve models: A structural equation perspective. *Sociological Methods and Research*.
- (39.) in press Stuifbergen, A., Becker, H., **Blozis, S.A.**, & Park, I. A Randomized Controlled Trial of a Wellness Intervention for Women with Fibromyalgia Syndrome. *Clinical Rehabilitation*.
- (40.) in press Xu, S.\*, & Blozis, S.A. Sensitivity Analysis of a Mixed Model for Incomplete Longitudinal Data. *Journal of Educational and Behavioral Statistics*.

- 2004 Maninger, N.\*, Capitanio, J.P., **Blozis, S.A.**, Ruys, J.D., & Mendoza, S.P. Differential effects of stressors on the hypothalamic-pituitary-adrenal hormones cortisol and DHEAS in adult male rhesus macaques. *American Journal of Primatology*, 62, 34-35.
- 2006 Capitanio, J.P., Mason, W.A., Mendoza, S.P., Abel, K., & Blozis, S.A. Polymorphism in the serotonin transporter promoter and infectious disease. *American Journal of Primatology*, 68, 92.
- 2007 Jarcho, M.R., Mendoza, S.P., Mason, W.A., Blozis, S.A., & Bales, K.L. Neuroendocrinology of maternal behavior in captive titi monkeys (*Callicebus cupreus*). *American Journal of Primatology*, 69, 81.
- 2007 Kitzmann, C.D., Mendoza, S.P., Mason, W.A., Blozis, S.A., & Bales, K.L. Neuroendocrine mechanisms of paternal behavior in the titi monkey (*Callicebus cupreus*). *American Journal of Primatology*, 69, 82.

### Reports

- 2002 Toprac, M., Hoppe, S., Wambach, K., Burek, S., Daggett, P., Onken, S., **Blozis, S.A.** *Texas Employment Assistance through Reciprocity in Natural Supports*. Texas Employment Intervention Demonstration Program, CMHS Cooperative Agreement No. 1-UD7-SM51836. Final Report.
- 2007 Xu, S.\*, **Blozis, S.A.**, & Ge, X. Methods for Dealing with Missing Data: A Technical Report for the Early Growth and Development Study (EGADS).

### Professional Meetings

- 1999 Session Chair for a session entitled 'Applications in Multilevel Analysis.' International Meeting of the Psychometric Society, Lueneburg, Germany
- 2004 Invited Chair for a session entitled 'New Methods for the Analysis of Change.' International Meeting of the Psychometric Society, Monterrey, California
- 2008 Invited session organizer, International Meeting of the Psychometric Society, Durham, New Hampshire
- 2008 Invited session Chair, International Meeting of the Psychometric Society, Durham, New Hampshire

### Professional Development

- 2003 Longitudinal Data Analysis Workshop organized by J.J. McArdle, PhD  
University of Virginia, Charlottesville, VA.
- 2007 Missing Data Workshop (San Francisco, CA) by Paul Allison, PhD  
University of Pennsylvania.
- 2009 Event-related potential (ERP) Boot-Camp organized by Steve Luck, UC Davis

### Courses Taught

- |             |          |  |
|-------------|----------|--|
| Winter 2002 | PSC 105  | Statistical Inference from Psychological Experiments* <sup>a</sup> |
| Spring 2002 | PSC 204D | Advanced Statistical Inference from Psychological Experiments      |
| Summer 2002 | PSC 103A | Statistical Analysis of Psychological Data* <sup>a</sup>           |
| Winter 2003 | PSC 103B | Statistical Analysis of Psychological Data* <sup>a</sup>           |
|             | PSC 290  | Graduate Seminar in Multilevel Models                              |
|             | PSC 199  | Special Study: Using Statistics in Psychology <sup>a</sup>         |
| Spring 2003 | PSC 204D | Advanced Statistical Inference from Psychological Experiments      |
|             | PSC 199  | Special Study: Using Statistics in Psychology <sup>a</sup>         |
| Summer 2003 | PSC 199  | Special Study: Using Statistics in Psychology <sup>a</sup>         |
| Fall 2003   | PSC 199  | Special Study: Using Statistics in Psychology <sup>a</sup>         |
| Winter 2004 | PSC 103B | Statistical Analysis of Psychological Data* <sup>a</sup>           |
|             | PSC 199  | Special Study: Using Statistics in Psychology <sup>a</sup>         |
| Spring 2004 | PSC 204D | Advanced Statistical Inference from Psychological Experiments      |
|             | PSC 199  | Special Study: Using Statistics in Psychology <sup>a</sup>         |
| Summer 2004 | PSC 199  | Special Study: Using Statistics in Psychology <sup>a</sup>         |
| Fall 2004   | PSC 199  | Special Study: Using Statistics in Psychology <sup>a</sup>         |
| Winter 2005 | PSC 205D | Multilevel Models  |
| Spring 2005 | PSC 103B | Statistical Analysis of Psychological Data* <sup>a</sup>           |

	PSC 199	Special Study: Using Statistics in Psychology <sup>a</sup>
Winter 2006	PSC 205D	Multilevel Models
Spring 2006	PSC 204D	Advanced Statistical Inference from Psychological Experiments
Fall 2006	PSC 103A	Statistical Analysis of Psychological Data* <sup>a</sup>
	PSC 299	Seminar: Using Mx to Fit Nonlinear Latent Curve Models
Winter 2007	PSC 299	Seminar: Using differential calculus to understand latent curve models
Spring 2007	PSC 205D	Multilevel Models
	PSC 299	Seminar: Assessing Person-fit in Latent Curve Models
Fall 2007	PSC 103A	Statistical Analysis of Psychological Data* <sup>a</sup>
	PSC 299	Seminar: Mixed-effects Models for Longitudinal Data: Parametric Methods for Missing Data Not Missing at Random
Winter 2008	PSC 205D	Multilevel Models
	PSC 299	Seminar: Introduction to data simulation research
Spring 2008	PSC 299	Seminar: Introduction to programming in R
Summer 2008	PSC 199	Special Study: Using Statistics in Psychology <sup>a</sup>
Fall 2008	PSC 199	Special Study: Using Statistics in Psychology <sup>a</sup>
Winter 2009	PSC 199	Special Study: Using Statistics in Psychology <sup>a</sup>
Spring 2009	PSC 103B	Statistical Analysis of Psychological Data* <sup>a</sup>
	PSC 204D	Advanced Statistical Inference from Psychological Experiments
Winter 2010	PSC 205D	Multilevel Models
Spring 2010	PSC 103B	Statistical Analysis of Psychological Data* <sup>a</sup>

<sup>a</sup> undergraduate course

\* fulfils course requirements for the Natural Sciences/Mathematics Area for a bachelor's degree.

## **Advisement**

### *Thesis Advisees, Chair or Co-Chair*

Catherine Stacy, Assistant Dean, Division of Statistics & Scientific Computation, UT Austin  
Dena Pastor, Assistant Professor, Department of Graduate Psychology, James Madison University  
Young Cho, Post-doctoral Researcher, Arizona State University  
Shu Xu, graduate student

### *Post-graduate scholar advisee*

Tracie Harrison, Assistant Professor, School of Nursing, UT Austin

### *Doctoral Thesis, committee advisees*

Jane Thompson, Nicole Maninger, Gary Stockdale, Teddy Consolacion, Michael Biehl, Janet Keyzer

### *Advisement: Committee advisees*

Jane Thompson, Tim Gaffney, Stephanie Gray, Nicole Maninger, Teddy Consolacion, Alison Terry, Gary Stockdale, Betsy Feldman, Rina Jin, Michael Biehl, Jong-Long Guo, Alan Chan, Carmel Gabriel

### *Undergraduate students advised through independent studies and research projects in quantitative methods*

William Chung (advised on an analysis using LISREL that led to his receiving Highest Honors at graduation and participation as one of two UC Davis student representatives at UC Day in 2003), Daniel Heap, David Marrer, Elaina Garrido, Christina Sun, Danielle Duarte, Luz Orozco, Alan Chan, Julian Finley, Katherine Sykes, Dorte Jensen, Maria Ayala, John Bolorinos, Phuong Linda Tran Le, Denny Wu