

SCOTT HERSHBERGER, PhD

Curriculum Vitae

EDUCATION

FORDHAM UNIVERSITY – New York, New York

Ph.D. in Psychometrics

Dissertation: *"The effect of passive, evocative, and active genotype-environment correlation on the development of maternally and paternally related half-siblings"*

Master of Arts in Psychometrics

Thesis: *"Adjustment of communality estimates to extract a better solution in factor analysis"*

FLORIDA ATLANTIC UNIVERSITY – Boca Raton, Florida

Bachelor of Arts in Psychology

PROFESSIONAL EXPERIENCE

ST. LOUIS UNIVERSITY, Madrid, Spain

2007 to 2009

Visiting Professor of Psychology

CALIFORNIA STATE UNIVERSITY, Long Beach, California

1998 to 2007

Professor of Psychology, Emeritus

UNIVERSITY OF KANSAS, Lawrence, Kansas

1995 to 1998

Associate Professor of Psychology, Tenured

UNIVERSITY OF MINNESOTA, Minneapolis, Minnesota

1993 to 1995

Assistant Professor of Psychology

PUBLICATIONS

BOOKS

1. Ellis, L., **Hershberger, S. L.**, et al. (2008). *Sex differences: Summarizing more than a century of scientific research*. New York: Taylor & Francis.
2. Moscovitz, D., & **Hershberger, S. L.** (Eds.) (2002). *Modeling intraindividual variability with repeated measures data: Methods and applications*. Mahwah, NJ: Erlbaum.
3. Embretson, S., & **Hershberger, S. L.** (Eds.) (1999). *The new rules of measurement: What every psychologist and educator should know*. Mahwah, NJ: Erlbaum.
4. Marcoulides, G. A., & **Hershberger, S. L.** (1997). *Multivariate statistical methods: A first course*. Erlbaum.

SCHOLARLY ARTICLES & BOOK CONTRIBUTIONS

1. **Hershberger, S. L.** & Marcoulides, G. A. (2013). The problem of equivalent structural models. In G. R. Hancock & R. O. Mueller (Eds.), *Structural equation modeling: A second course*. 2nd edition. Greenwich, CT: Information Age Publishers.
2. McGuire, S., & Segal, N. L., & **Hershberger, S. L.** (2012). Parenting as phenotype: A behavioral genetic approach to understanding parenting. *Parenting: science and practice*, 12, 192-201.
3. Gámez-Guadix, M., Straus, M. A., Murray, A., & **Hershberger, S. L.** (2011). Childhood and adolescent victimization and perpetration of sexual coercion by male and female university students. *Deviant Behavior*, 32, 712-742.
4. **Hershberger, S. L.** (2010). Hodges-Lehmann estimators. In M. Lovric (Ed.), *International encyclopedia of statistical sciences*. Springer.
5. **Hershberger, S. L.** (2010). Structural equation modeling. In M. Lovric (Ed.), *International encyclopedia of statistical sciences*. Springer.
6. Fisher, D. G., Pilon, D., **Hershberger, S. L.**, Reynolds, G. L., & Davis, M. (2009). Psychometric characteristics of an assessment for mental health self-help programs. *Community Mental Health Journal*, 45, 246-250.
7. Jaffe, A., Pedersen, W. C., Fisher, D. G., Reynolds, G. L., **Hershberger, S. L.**, Reise, S., & Bentler, P. (2009). Drug use, personality, and partner violence: A model of separate, additive contributions in an active drug user sample. *The Open Drug Addiction Journal*, 2, 39-47.
8. Segal, N.L., McGuire, S.A., Havlena, J., Gill, P., & **Hershberger, S.L.** (2007). Intellectual similarity of virtual twin pairs: Developmental trends. *Personality and Individual Differences*, 42, 1209-1219.
9. **Hershberger, S. L.** (2006). Guttman scalability confirms the effectiveness of reparative therapy. K. Zucker & J. Drescher (Eds.), *Ex-gay research: Analyzing the Spitzer study and its relation to science, religion, politics, and culture* (pp. 137 – 140). New York: Haworth Press.
10. **Hershberger, S. L.** (2006). The problem of equivalent structural models. In G. R. Hancock & R. O. Mueller (Eds.), *Structural equation modeling: A second course* (pp. 13 – 42). Greenwich, CT: Information Age Publishing.
11. **Hershberger, S. L.** (2005). Assortative mating. In B. Everitt & D. Howell (Eds.), *Encyclopedia of behavioral statistics* (pp. 100-102). New York: Wiley.
12. **Hershberger, S. L.** (2005). Cultural transmission. In B. Everitt & D. Howell (Eds.), *Encyclopedia of behavioral statistics* (pp. 457-458). New York: Wiley.
13. **Hershberger, S. L.** (2005). Exact methods for categorical data. In B. Everitt & D. Howell (Eds.), *Encyclopedia of behavioral statistics* (pp. 575-580). New York: Wiley.

14. **Hershberger, S. L.** (2005). Factor score estimation. In B. Everitt & D. Howell (Eds.), *Encyclopedia of behavioral statistics* (pp. 636-644). New York: Wiley.
15. **Hershberger, S. L.** (2005). History of discrimination and clustering. In B. Everitt & D. Howell (Eds.), *Encyclopedia of behavioral statistics* (pp. 840-842). New York: Wiley.
16. **Hershberger, S. L.** (2005). History of multivariate analysis of variance. In B. Everitt & D. Howell (Eds.), *Encyclopedia of behavioral statistics* (pp. 864-869). New York: Wiley.
17. **Hershberger, S. L.** (2005). Hotelling, Howard. In B. Everitt & D. Howell (Eds.), *Encyclopedia of behavioral statistics* (pp. 889-891). New York: Wiley.
18. **Hershberger, S. L.** (2005). Incomplete contingency tables. In B. Everitt & D. Howell (Eds.), *Encyclopedia of behavioral statistics* (pp. 899-900). New York: Wiley.
19. **Hershberger, S. L.** (2005). Ordinal regression models. In B. Everitt & D. Howell (Eds.), *Encyclopedia of behavioral statistics* (pp. 1491-1494). New York: Wiley.
20. **Hershberger, S. L.** (2005). Polychoric correlation. In B. Everitt & D. Howell (Eds.), *Encyclopedia of behavioral statistics* (pp. 1554-1555). New York: Wiley.
21. **Hershberger, S. L.** (2005). Quasi-independence. In B. Everitt & D. Howell (Eds.), *Encyclopedia of behavioral statistics* (pp. 1644-1647). New York: Wiley.
22. **Hershberger, S. L.** (2005). Quasi-symmetry in contingency tables. In B. Everitt & D. Howell (Eds.), *Encyclopedia of behavioral statistics* (pp. 1647-1650). New York: Wiley.
23. **Hershberger, S. L.** (2005). Sampling issues in categorical data. In B. Everitt & D. Howell (Eds.), *Encyclopedia of behavioral statistics* (pp. 1778-1782). New York: Wiley.
24. **Hershberger, S. L.** (2005). Saturated models. In B. Everitt & D. Howell (Eds.), *Encyclopedia of behavioral statistics* (pp. 1782-1784). New York: Wiley.
25. **Hershberger, S. L.** (2005). Tetrachoric correlation. In B. Everitt & D. Howell (Eds.), *Encyclopedia of behavioral statistics* (pp. 2027-2028). New York: Wiley.
26. **Hershberger, S. L.** (2005). Type I, Type II and Type III sums of squares. In B. Everitt & D. Howell (Eds.), *Encyclopedia of behavioral statistics* (pp. 2089-2092). New York: Wiley.
27. **Hershberger, S. L.**, & Fisher, D. G. (2005). Measures of association. In B. Everitt & D. Howell (Eds.), *Encyclopedia of behavioral statistics* (pp. 1183-1192). New York: Wiley.
28. **Hershberger, S. L.**, & Fisher, D. G. (2005). Test translation. In B. Everitt & D. Howell (Eds.), *Encyclopedia of behavioral statistics* (pp. 2021-2028). New York: Wiley.
29. Jaffe, A., & **Hershberger, S. L.** (2005). Structural equation modeling: Checking substantive plausibility. In B. Everitt & D. Howell (Eds.), *Encyclopedia of behavioral statistics* (pp. 1910-1912). New York: Wiley.

30. Liu, L., Berger, V., & **Hershberger, S. L.** (2005). Trend tests for counts and proportions. In B. Everitt & D. Howell (Eds.), *Encyclopedia of behavioral statistics* (pp. 2063-2066). New York: Wiley.
31. Stefanescu, C., Berger, V., & **Hershberger, S. L.** (2005). Probits. In B. Everitt & D. Howell (Eds.), *Encyclopedia of behavioral statistics* (pp. 1608-1610). New York: Wiley.
32. Stefanescu, C., Berger, V., & **Hershberger, S. L.** (2005). Yates' correction. In B. Everitt & D. Howell (Eds.), *Encyclopedia of behavioral statistics* (pp. 2127-2129). New York: Wiley.
33. **Hershberger, S. L.**, & Bogaert, A. F. (2005). Male and female sexual orientation differences in gambling. *Personality and Individual Differences*, 38, 1401-1411.
34. **Hershberger, S. L.**, Fisher, D. G., & Reynolds, G. L. (2005). Modeling censored-in-the-middle condom use data. *AIDS Care*, 17, 610-622.
35. Segal, N. L., & **Hershberger, S. L.** (2005). Virtual twins and intelligence: Updated and new analyses of within-family environmental differences. *Personality and Individual Differences*, 39, 1061-1073.
36. Fiebert, M. S., Nugent, D., **Hershberger, S. L.**, & Kasdan, M. (2004). Dating and commitment choices as a function of ethnicity among American college students. *Psychological Reports*, 94, 1293-1300.
37. **Hershberger, S. L.**, Fisher, D. G., Reynolds, G. L., Klahn, J. A., & Wood, M. M. (2004). Nicotine dependence and HIV risk behaviors among illicit drug users. *Addictive Behaviors*, 29, 623-625.
38. **Hershberger, S. L.**, & Segal, N. L. (2004). Cognitive, behavioral, and personality profiles of a male monozygotic triplet set discordant for sexual orientation. *Archives of Sexual Behavior*, 33, 497-514.
39. MacDonald, K., & **Hershberger, S. L.** (2004). Theoretical issues in the study of evolution and development. In K MacDonald & R. Burgess (eds.), *Evolutionary perspectives on human development* (pp. 21-72). Thousand Oaks, CA: Sage.
40. **Hershberger, S. L.** (2003). Genotype-environment covariance and the restriction of transition probabilities. *Measurement*, 1, 218-221.
41. **Hershberger, S. L.** (2003). Guttman scalability confirms the effectiveness of reparative therapy. *Archives of Sexual Behavior*, 32, 440-441.
42. **Hershberger, S. L.** (2003). The growth of structural equation modeling from 1994 to 2001. *Structural Equation Modeling*, 10, 1, 35-47.
43. **Hershberger, S. L.** (2003). Latent variable models of genotype-environment correlation. *Structural Equation Modeling*, 10, 3, 423-434.
44. **Hershberger, S. L.** (2003). Low test-retest reliability does not diminish the value of penile self-measurement. *Archives of Sexual Behavior*, 32, 91-92.
45. **Hershberger, S. L.**, & Fisher, D. G. (2003). A note on determining the number of imputations for missing data. *Structural Equation Modeling*, 10, 648-650.

46. **Hershberger, S. L.**, Marcoulides, G. A., & Parramore, M. M. (2003). Structural equation modeling: An introduction. In B. Pugesek, A. Tomer, & A. von Eye (Eds.), *Structural equation modeling: Applications in ecology and evolutionary biology research* (pp. 3 - 41). New York: Cambridge University Press.
47. **Hershberger, S. L.**, Wood, M. M., & Fisher, D. G. (2003). A cognitive intervention to reduce HIV risk in crack and injection drug users. *AIDS and Behavior*, 7, 229-243.
48. Segal, N. A., **Hershberger, S. L.**, & Arad, S. (2003). Meeting one's twin: Perceived social closeness and familiarity. *Evolutionary Psychology*, 1, 70-95.
49. D'Augelli, A. R., Pilkington, N. W., & **Hershberger, S. L.** (2002). Incidence and mental health impact of sexual orientation victimization of lesbian, gay, and bisexual youths in high school. *School Psychology Quarterly*, 17, 148-167.
50. Ding, S., & **Hershberger, S. L.** (2002). Assessing content validity and content equivalence using structural equation modeling. *Structural Equation Modeling*, 9, 283-297
51. D'Augelli, A. R., Grossman, A. H., **Hershberger, S. L.**, & O'Connell, T. S. (2001). Aspects of mental health among older lesbian, gay, and bisexual adults. *Aging and Mental Health*, 5, 149-158.
52. D'Augelli, A. R., **Hershberger, S. L.**, & Pilkington, N. W. (2001). Suicidality patterns and sexual orientation-related factors among lesbian, gay, and bisexual youths. *Suicide and Life-Threatening Behavior*, 31, 250-264.
53. **Hershberger, S. L.** (2001). Biological factors in the development of sexual orientation. In A. R. D'Augelli & C. J. Patterson (Eds.), *Lesbian, gay and bisexual identities and youth: Psychological perspectives* (pp. 27-51). New York: Oxford University Press.
54. Martin, C., & **Hershberger, S. L.** (2001). Perinatal effects on general cognitive ability, weight, height, and temperament. R. Emde & J. K. Hewitt (Eds.), *Infancy to early childhood: Genetic and environmental influences on developmental change* (pp. 283-291). New York: Oxford University Press.
55. Bogaert, A.F., & **Hershberger, S.L.** (2000). Variability, sexual orientation, and penile size: A reply to Krisel. *Archives of Sexual Behavior*, 29, 303-304.
56. Corder, K., Pottleiger, J. A., Nau, K. L., Figoni, S. F., & **Hershberger, S. L.** (2000). Effects of active and passive recovery conditions on blood lactate, rating of perceived exertion, and performance during resistance exercise. *Journal of Strength and Conditioning Research*, 14, 151-156.
57. Green, S. B., & **Hershberger, S. L.** (2000). Correlated errors in true score models and their effect on coefficient alpha. *Structural Equation Modeling*, 7, 251-270.
58. Grossman, A. H., D'Augelli, A. R., & **Hershberger, S. L.** (2000). Social support networks of lesbian, gay, and bisexual adults 60 years of age and older. *Journal of Gerontology*, 55B, 171-179.
59. **Hershberger, S. L.**, & D'Augelli, A. R. (2000). Issues in counseling lesbian, gay, and bisexual adolescents. In R. Perez, K. DeBord, & K. Bieschke (Eds.), *Handbook of counseling and therapy with lesbians, gays, and bisexuals* (pp. 225-248). Washington, DC: APA Books.

60. Rice, M. L., Wexler, K., Marquis, J., & **Hershberger, S. L.** (2000). Acquisition of irregular past tense by children with specific language impairment. *Journal of Speech, Language, and Hearing Research*, 43, 1126-1145.
61. Bogaert, A. F., & **Hershberger, S. L.** (1999). The relation between sexual orientation and penile size. *Archives of Sexual Behavior*, 28, 213-221.
62. Green, S. B., Marquis, J. G., **Hershberger, S. L.**, Thompson, M. S., McColam, K. M. (1999). The over-parameterized analysis-of-variance model. *Psychological Methods*, 4, 214-233.
63. **Hershberger, S. L.** (1999). Introduction to personality measurement. In S.E. Embretson & S.L. Hershberger (Eds.), *The new rules of measurement: What every psychologist and educator should know* (pp. 153-158). Mahwah, NJ: Erlbaum.
64. **Hershberger, S. L.**, Wallace, D., Green, S. B., & Marquis, J. Meta-analysis of single case designs. (1999). In R. Hoyle (Ed.), *Statistical strategies for small sample research* (pp. 109-153). Thousand Oaks, CA: Sage Publications.
65. Lippa, R., & **Hershberger, S. L.** (1999). Environmental and genetic sources of individual differences in masculinity, femininity, and gender diagnosticity: Analyzing data from a classic twin study. *Journal of Personality*, 67, 127-155.
66. Marcario, J. K., Raymond, L. A. M., McKiernan, B. J., Foresman, L. L., Joag, S. V., Raghavan, R., Narayan, O., **Hershberger, S. L.**, & Cheney, P. D. (1999). Simple and choice reaction time performance in SIV-infected rhesus macaques. *AIDS Research and Human Retroviruses*, 15, 571-583.
67. Rhodes, F., Wood, M. M., & **Hershberger, S. L.** (1999). A cognitive-behavioral intervention to reduce HIV risks among active drug users: Efficacy study. In W. Odets (Ed.), *Staying negative in a positive world: HIV prevention strategies that work* (pp. 26-38). Sacramento, CA: California State Office of AIDS.
68. Segal, N., & Hershberger, S. L (1999). Cooperation and competition between twins: Findings from a prisoner's dilemma game. *Evolution and Human Behavior*, 20, 29-51.
69. Vernberg, E. M., Jacobs, A. K., & **Hershberger, S. L.** (1999). Peer victimization and attitudes about violence during early adolescence. *Journal of Clinical Child Psychology*, 28, 386-395.
70. D'Augelli, A. R., **Hershberger, S. L.**, & Pilkington, N. W. (1998). Lesbian, gay, and bisexual youths and their families: Disclosure of sexual orientation and its consequences. *American Journal of Orthopsychiatry*, 68, 361-371.
71. Gilger, J. W., & **Hershberger, S. L.** (1998). Advances in human behavioral genetics: A synthesis of quantitative and molecular approaches. *Human Biology*, 70, 155-158.
72. **Hershberger, S. L.** (1998). Forecasting with dynamic factor and regression models. In G. A. Marcoulides (Ed.), *Modern methods of business research* (pp. 217-250). Mahwah, NJ: Erlbaum.
73. **Hershberger, S.L.** (1998). Homosexuality. In H. Friedman (Ed.), *Encyclopedia of mental health*. Vol. 2 (pp. 403-419). San Diego, CA: Academic Press.

74. Rice, M. L., Wexler, K., & **Hershberger, S. L.** (1998). Tense over time: The longitudinal course of tense acquisition in children with specific language impairment. *Journal of Speech, Language, and Hearing Research*, 41, 1412-1431.
75. Green, S. B., Akey, T. M., Fleming, K. K., **Hershberger, S. L.**, & Marquis, J. G. (1997). Effect of the number of scale points on chi-square fit indices in confirmatory factor analysis. *Structural Equation Modeling*, 4, 108-120.
76. **Hershberger, S. L.** (1997). A twin registry study of male and female sexual orientation. *Journal of Sex Research*, 34, 212-222.
77. **Hershberger, S. L.**, Pilkington, N. W., & D'Augelli, A. R. (1997). Predictors of suicidality in lesbian, gay and bisexual youth. *Journal of Adolescent Research*, 12, 477-497.
78. Billig, J. P., **Hershberger, S. L.**, Iacono, W. G., & McGue, M. (1996). Life events and personality in late adolescence: Genetic and environmental relations. *Behavior Genetics*, 26, 543-554.
79. Fox, P. W., **Hershberger, S. L.**, & Bouchard, T. J., Jr. (1996). Genetic and environmental contributions to the acquisition of a psychomotor skill. *Nature*, 384, 356-358.
80. **Hershberger, S. L.**, Pilkington, N. W., & D'Augelli, A. R. (1996). Categorization of sexual minority youth suicide attempters. In C. J. Alexander (Ed.), *Gay and lesbian mental health: A sourcebook for private and community practice* (pp. 39-60). New York: Haworth Press.
81. **Hershberger, S. L.** (1996). Residualized categorical phenotypes and behavioral genetic modeling. In A. von Eye & C. Clogg (Eds.), *The analysis of categorical variables in developmental research* (pp. 249-274). San Diego, CA: Academic Press.
82. **Hershberger, S. L.**, Molenaar, P. C. M., & Corneal, S. (1996). A hierarchy of univariate and multivariate structural time series models. In G. A. Marcoulides & R. E. Schumacker (Eds.), *Advanced structural equation modeling techniques* (pp. 159-194). Hillsdale, NJ: Erlbaum.
83. D'Augelli, A. R., & **Hershberger, S. L.** (1995). Changes in AIDS concerns and homophobia on a university campus: A multi-year analysis. *American Journal of College Health*, 44, 3-10.
84. **Hershberger, S. L.**, Corneal, S., & Molenaar, P. C. M. (1995). A dynamic factor analysis of the emotional response patterns underlying stepdaughter- stepfather relationships. *Structural Equation Modeling*, 2, 31-52.
85. **Hershberger, S. L.**, & D'Augelli, A. R. (1995). The impact of victimization on the mental health and suicidality of lesbian, gay, and bisexual youth. *Developmental Psychology*, 31, 65-74.
86. **Hershberger, S. L.**, Plomin, R., & Pedersen, N. L. (1995). Traits and metatraits: Their reliability, stability and shared genetic influence. *Journal of Personality and Social Psychology*, 69, 673-685.
87. Lichtenstein, P., **Hershberger, S. L.**, & Pedersen, N. L. (1995). Dimensions of occupational position: A study of twins reared apart and twins reared together. *Journal of Biosocial Science*, 27, 193-206.

88. **Hershberger, S. L.** (1994). Genotype-environment interaction and correlation. In J. C. DeFries, R. Plomin, & D. W. Fulker (Eds.), *Nature and nurture during middle childhood* (pp. 281-294). New York: Blackwell.
89. **Hershberger, S. L.** (1994). The specification of equivalent models before the collection of data. In A. von Eye & C. Clogg (Eds.), *The analysis of latent variables in developmental research* (pp. 68-108). Beverly Hills, CA: Sage Publications.
90. **Hershberger, S. L.**, Lichtenstein, P., & Knox, S. S. (1994). Genetic and environmental influences on perceptions of organizational climate. *Journal of Applied Psychology*, 79, 24-33.
91. D'Augelli, A. R., & **Hershberger, S. L.** (1993). African American undergraduates on a predominately white campus: Academic factors, social networks, and campus climate. *Journal of Negro Education*, 62, 67-81.
92. D'Augelli, A. R., & **Hershberger, S. L.** (1993). Lesbian, gay, and bisexual youth in community settings: Personal challenges and mental health problems. *The American Journal of Community Psychology*, 21, 421-448.
93. Nesselroade, J. R., & **Hershberger, S. L.** (1993). Intraindividual variability: Some methodological issues for population health research. In K. Dean (Ed.), *Population health research: linking theory and methods* (pp. 74-94). Beverly Hills, CA: Sage.
94. **Hershberger, S. L.**, & D'Augelli, A. R. (1992). The relationship of academic performance and social support to graduation among African American and white university students: A path analytic model. *Journal of Community Psychology*, 20, 188-199.
95. Plomin, R., & **Hershberger, S. L.** (1991). Genotype-environment interaction. In T. D. Wachs & R. Plomin (Eds.), *Conceptualization and measurement of organism-environment interaction* (pp. 29-43). Washington, DC: APA.
96. Lee, S., & **Hershberger, S. L.** (1990). A simple rule for generating equivalent models in covariance structure modeling. *Multivariate Behavior Research*, 25, 312-334.
97. Lee, S., & **Hershberger, S. L.** (1988). MULTCO: Computation of the degree of multicollinearity. *Applied Psychological Measurement*, 12, 324.

BOOK REVIEWS

1. **Hershberger, S. L.** (in press). Review of *Latent curve models*. *Applied Psychological Measurement*.
2. **Hershberger, S. L.** (2006). Review of *Listen to your Hormones: A doctor's guide to sex, love and long life especially for men*. *Archives of Sexual Behavior*, 35, 517-518.
3. **Hershberger, S. L.** (2004). Review of *Nonparametric methods for complete and censored data*. *Journal of the Royal Statistical Society. Series A*, 167, 762.
4. **Hershberger, S. L.** (2002). What we know about how infants think [Review of *Emerging cognitive abilities in early infancy*. *Contemporary Psychology: APA Review of Books*, 47, 80-82.

5. **Hershberger, S. L.** (2001). Review of *Cause and correlation in biology*. *Structural Equation Modeling*, 8, 647-650.
6. **Hershberger, S. L.** (2001). Review of *Interaction and nonlinear effects in structural equation modeling*. *Structural Equation Modeling*, 8, 490-492.
7. **Hershberger, S. L.** (2000). Review of *The mismeasure of sexual desire: The science, theory, and ethics of sexual orientation*. *Quarterly Review of Biology*, 75, 437-438
8. **Hershberger, S. L.** (1999). Review of *Sexual orientation: Toward biological understanding*. *Journal of Sex Research*, 36, 114-116.
9. **Hershberger, S. L.** (1998). Review of *Annual review of sex research: Volume 6*. *Archives of Sexual Behavior*, 27, 615-618.
10. **Hershberger, S. L.** (1997). Review of *Modern homosexualities: Fragments of lesbian and gay experience*. *Archives of Sexual Behavior*, 26, 559-561.
11. **Hershberger, S. L.** (1997). Review of *Structural equation modeling: Concepts, issues, and applications*. *Structural Equation Modeling*, 3, 253-256.
12. **Hershberger, S. L.** (1996). Perversion's calling card. [Review of *Homosexuality: A freedom too far*]. *Journal of Sex Research*, 33, 329-332.
13. **Hershberger, S. L.** (1996). Review of *Modeling covariances and latent variables using EQS*. *Structural Equation Modeling*, 3, 84-86.
14. **Hershberger, S. L.** (1995). Review of *Loglinear models with latent variables*. *Structural Equation Modeling*, 2, 172-174.
15. **Hershberger, S. L.** (1995). Review of *The sexual brain*. *Behavior Genetics*, 25, 91-92.
16. **Hershberger, S. L.** (1995). Review of *The geometry of multivariate statistics*. *Structural Equation Modeling*, 2, 379-382.
17. **Hershberger, S. L.** (1994). Review of *Genes and environment in personality development*. *Behavior Genetics*, 24, 299-300.
18. **Hershberger, S. L.** (1994). Review of *A first course in factor analysis*. 2nd edition. *Structural Equation Modeling*, 1, 279-282.

SELECTED PRESENTATIONS

1. **Hershberger, S. L.**, Bremer, J. (May, 2010). *Using item response theory to link different surveys*. Paper given at the American Association of Public Opinion Research Conference, Chicago, IL.
2. **Hershberger, S. L.** (June, 2010). *Using item response theory and computer adaptive testing to reduce survey length*. Paper given at the American Marketing Association Advanced Research Techniques Conference, San Francisco, CA.

3. **Hershberger, S. L.** (October, 2009). *A meta-analysis of cognitive ability differences between homosexual and heterosexual men: A cross-classified random effects multilevel modeling approach*. Paper given at the Society for Multivariate Experimental Psychology, Phoenix, AZ.
4. **Hershberger, S. L.** (September, 2009). *Multilevel modeling: An introduction*. Workshop given at the Universidad de Malaga, Spain.
5. **Hershberger, S. L.** (May, 2009). *Advanced item response theory models for ipsative data*. Workshop given at the Universidad Autónoma de Madrid, Spain.
6. **Hershberger, S. L.** (March, 2009). *Univariate and multivariate tests of equivalence in psychology*. Paper presented at John Jay College of Criminal Justice, New York, NY.
7. **Hershberger, S. L.**, & Fisher, D. G. (July, 2008). *Power analysis of multivariate tests of equivalence in randomized clinical trials*. Paper presented at the III European Congress of Methodology, Oviedo, Spain.
8. **Hershberger, S. L.** (June, 2008). *Multilevel modeling: An introduction*. Week-long workshop given at the Universidad Autónoma de Madrid, Spain.
9. Reynolds, G. L., Fisher, D. G., **Hershberger, S. L.**, & Amirkhan, J. H. (August, 2007). *Coping strategies among out-of-treatment drug users who use emergency rooms and homeless shelters*. Paper presented at the American Psychological Association, San Francisco, CA.
10. Segal, N. L., McGuire, S.A., Havlena, J., Gill, P., & **Hershberger, S.L.** (May, 2007). *Intellectual similarity of virtual twin pairs: Developmental trends*. Paper presented at the Western Psychological Association, Vancouver, Canada.
11. **Hershberger, S. L.**, Fisher, D. G., Reynolds, G. L., Henry, C., Perez, M., & Jaffe, A. (December, 2005). *The effect of correlated errors on the test-retest reliability of self-reported age of first drug use*. Paper presented at the American Public Health Association, Philadelphia, PA.
12. Segal, N. L., McGuire, S. A., Havlena, J., Davis, J., & **Hershberger, S. L.** (May, 2005). *Virtual twins: What they have told us and what they may tell us about psychological development*. Paper presented at the American Psychological Society, Los Angeles, California.
13. **Hershberger, S. L.** (February, 2005). *Introduction to interim analysis for behavioral studies*. Paper presented at the Protecting Human Subjects in Social, Behavioral, and Educational Research Forum, Long Beach, California.
14. Fisher, D. G., **Hershberger, S. L.**, Rodriguez, J.C., & Archuletta, E. (November, 2004). *Evaluating the measurement equivalence of the English and Spanish language versions of the SOCRATES-8S*. Paper presented at the American Public Health Association, Washington, DC.
15. **Hershberger, S. L.** (October, 2004). *Problems of equivalence in test translation*. Paper presented at the Society for Multivariate Experimental Research, Naples, Florida.
16. Segal, N. L., & **Hershberger, S. L.** (July, 2004). *Virtual twins and intelligence: Updated and new analyses of within-family influences*. Paper presented at the International Congress on Twin Studies, Odense, Denmark.

17. Fiebert, M. S., Nugent, D., **Hershberger, S. L.**, & Kasdan, M. (April, 2004). *Dating and commitment choices as a function of ethnicity among American college students*. Paper presented at the Western Psychological Association, Phoenix, AZ.
18. **Hershberger, S. L.** (April, 2004). *A path model of sexual orientation differences in high school academic achievement*. Paper presented at the American Educational Research Association, San Diego, CA.
19. Reynolds, G. L., Fisher, D. G., Wood, M. M., Janson, M. A., & **Hershberger, S. L.** (November, 2003). *Gender differences in opiate and stimulant use among drug users in Long Beach, CA*. Paper presented at the American Public Health Association, San Francisco, CA.
20. Reynolds, G. L., Fisher, D. G., Wood, M. M., Janson, M. A., & **Hershberger, S. L.** (November, 2003). *Stimulant users: differences between cocaine and amphetamine users in Long Beach, CA*. Paper presented at the American Public Health Association, San Francisco, CA.
21. **Hershberger, S. L.** (September, 2003). *Modeling censored-in-the-middle condom data*. Paper presented at the Society for Multivariate Experimental Psychology, Fort Collins, CO.
22. **Hershberger, S. L.** & Fisher, D. G. (July, 2003). *Individual and average bioequivalence through discriminant analysis*. Paper presented at the Society for Clinical Trials, London, UK.
23. **Hershberger, S. L.** (May, 2003). *Estimating sequence, carryover, and period components of variance in crossover designs*. Paper presented at the Conference on New Directions in Experimental Design, Chicago, IL.
24. **Hershberger, S. L.** (April, 2003). *Using structural equation modeling to analyze clinical trials*. Paper presented at the American Education Research Association, Chicago.
25. **Hershberger, S. L.**, Reynolds, G. L., Wood, M... M., Janson, M. A., Klahn, J. A., & Fisher, D.G. (November, 2002). *Nicotine dependence and its association with cocaine and opiate abuse*. Paper presented at the American Public Health Association, Philadelphia.
26. **Hershberger, S. L.**, Reynolds, G. L., Wood, M. M., Janson, M.A., Klahn, J.A., & Fisher, D.G. (November, 2002). *Sex, ethnic identity, and sexual orientation differences in nicotine dependence*. Paper presented at the American Public Health Association, Philadelphia.
27. Rainof, A., Rodriguez, J. C., Fisher, D. G., **Hershberger, S. L.**, & Muniz, J. F. (November, 2002). *A Spanish-English SOCRATES for assessment of sexual risk stages of change*. Paper presented at the American Public Health Association, Philadelphia.
28. **Hershberger, S. L.** (October, 2002). *The analysis of multivariate equivalence designs*. Paper presented at the Society for Multivariate Experimental Psychology, Charlottesville, VA.
29. **Hershberger, S. L.**, Fisher, D. G., & Reynolds, G. L. (October, 2002). *Modeling failure to use condoms*. Paper presented at the Health Research Services for Underserved Populations Conference, Key West, FL.

30. **Hershberger, S. L.**, Reynolds, G. L., Fisher, D. G., Klahn, J A, & Buitron, M. (February, 2002). *Relations between smoking and HIV-risk behaviors*. Paper presented at the Annual Conference on AIDS Research in California, Sacramento, CA.
31. **Hershberger, S. L.**, Janson, M.A., Fisher, D.F., & Archuletta, E. R. (October, 2001). *HIV risk factors among older injecting drug users*. Paper presented at the American Public Health Association, Atlanta., GA.
32. Grossman, A. H., D'Augelli, A. R., & **Hershberger, S. L.** (November, 2000). *Relationships between victimization and mental health: Initial findings from the Q & A Project*. Paper presented at the American Public Health Association, Boston., MA.
33. **Hershberger, S. L.** (August, 2000). *Researching the victimization of lesbian, gay, and bisexual youths*. Paper presented at the American Psychological Association, Washington, DC.
34. Grossman, A. H., D'Augelli, A. R., & **Hershberger, S. L.** (November, 1999). *Support networks of older lesbian, gay, and bisexual adults*. Paper presented at the American Public Health Association, Chicago.
35. Pilkington, N. W., & **Hershberger, S. L.** (August, 1999). *High school sexual orientation victimization pattern and mental health correlates*. Paper presented at the American Psychological Association, Boston., MA.
36. **Hershberger, S. L.**, & Blanchard, R. (June, 1999). *Dynamic factor analysis*. Paper presented at the Psychometric Society Meeting, Lawrence, KS.
37. **Hershberger, S. L.**, & Blanchard, R. (April, 1999). *A comparison of the pleythsmographic response patterns of adolescent sex offenders using dynamic factor analysis*. Paper presented at the Society for Research in Child Development, Albuquerque, NM.
38. **Hershberger, S. L.** (August, 1998). *There is no relationship between pornography and violence against women, children, anyone or anything*. Paper presented at the World Pornography Conference, Los Angeles, CA.
39. Bogaert, A. F., & **Hershberger, S. L.** (June, 1998). *The relation between sexual orientation and penile dimension*. Paper presented at the International Academy of Sex Research, Sirmione, Italy.
40. **Hershberger, S. L.** (August, 1997). *The dynamic factor model: An overview*. Paper presented at the American Psychological Association, Chicago, IL.
41. Gerkovich, M. M., & **Hershberger, S. L.** (July, 1997). *Explaining heterosexual risk behavior using reversal theory constructs*. Paper presented at the International Conference on Reversal Theory, London, UK.
42. **Hershberger, S. L.** (July, 1997). *The cognitive profiles of a set of monozygotic triplets discordant for sexual orientation*. Paper presented at the Behavior Genetics Association, Toronto, Canada.
43. **Hershberger, S. L.**, & Martin, C. (June, 1997). *A method for detecting equivalent nonrecursive structural equation models*. Paper presented at the Psychometric Society, Gatlinburg, TN.

44. Segal, N. L., & **Hershberger, S. L.** (June, 1997). *Genetic contributions to cooperation and competition: A twin analysis using the prisoner's dilemma game*. Paper presented at the Human Behavior and Evolution Society, Tucson, AZ.
45. **Hershberger, S. L.** (April, 1997). *Longitudinal behavioral genetic studies*. Paper presented at the Annual Research Colloquium of the University of Kansas, Lawrence, Kansas.
46. **Hershberger, S. L.** (March, 1997). *Equivalent models and Type-I error within structural equation modeling*. Paper presented at the American Educational Research Association, Chicago.
47. **Hershberger, S. L.** (February, 1997). *Contemporary approaches to personality measurement*. Paper presented at the New Rules of Measurement Conference, Lawrence, KS.
48. **Hershberger, S. L.** (October, 1996). *A population-based twin family study of sexual orientation*. Paper presented at the American Society of Human Genetics, San Francisco.
49. **Hershberger, S. L.** (August, 1996). *A genetic relationship between sexual behavior and gender nonconformity*. Paper presented at the meeting of the American Psychological Association, Toronto, Canada.
50. **Hershberger, S. L.** (August, 1996). *Legal implications of biogenetic research concerned with sexual orientation*. Paper presented at the meeting of the American Psychological Association, Toronto, Canada.
51. **Hershberger, S. L.** (June, 1996). *Biological and environmental factors in the development of sexual orientation*. Paper presented at the conference on Research on Lesbian, Gay, and Bisexual Youths: Implications for Developmental Intervention, University Park, PA.
52. **Hershberger, S. L.** (June, 1996). *Morphological and physiological differences between heterosexual and homosexual men and women*. Paper presented at the meeting of the Behavioral Genetics Association, Pittsburgh, PA.
53. **Hershberger, S. L.** (August, 1995). *Genetic and environmental influences on sexual orientation within a male twin sample*. Paper presented at the meeting of the American Psychological Association, New York City, NY.
54. **Hershberger, S. L.**, Pilkington, Pilkington, N. W., & D'Augelli, A. R. (1995, July). *Predictors of suicidality in lesbian, gay, and bisexual youth*. Paper presented at the meeting of the American Psychological Association, New York City, NY.
55. **Hershberger, S. L.**, Billig, J. P., Iacono, W. G., & McGue, M. (1995, June). *Life events, personality, and psychopathology in late adolescence: Genetic and environmental factors*. Paper presented at the meeting of the Behavior Genetics Association, Richmond, VA.
56. **Hershberger, S. L.** (1995, June). *A new goodness of fit index based on the number of equivalent models*. Paper presented at the meeting of the Psychometric Society, Minneapolis, MN.
57. **Hershberger, S. L.** (1995, June). *Suicidality and lesbian, gay, and bisexual youth*. Paper presented at the National Lesbian and Gay Health Conference, Minneapolis, MN.

58. **Hershberger, S. L.** (1995, May). *Sexual orientation in males and females: Same genes, different effects*. Paper presented at the Biological Basis of Sexual Orientation and Sex-Typical Symposium, Minot, ND.
59. **Hershberger, S. L., & Molenaar, P. C. M.** (1994, August). *Rotation in dynamic factor analysis*. Paper presented at the meeting of the Psychometric Society, Champaign, IL.
60. **Hershberger, S. L.** (1994, July). *Genotype-environment interaction, correlation, and the work environment*. Paper presented at the meeting of the Behavior Genetics Association, Barcelona, Spain.
61. **Hershberger, S. L.** (1993, August). *Mental health patterns and victimization of lesbian/gay youth*. Paper presented at the meeting of the American Psychological Association, Toronto, Canada.
62. **Hershberger, S. L.** (1993, July). *Evocative genotype-environment correlation throughout childhood*. Paper presented at the meeting of the Behavior Genetics Association, Sydney, Australia.
63. **Hershberger, S. L.** (1993, June). *Item response theory approaches to the analysis of categorical variables within behavior genetic modeling*. Paper presented at the conference on the Analysis of Categorical Variables in Developmental Research, University Park, PA.
64. **Hershberger, S. L.** (1992, July). *Genetic influence on personality consistency*. Paper presented at the meeting of the Behavior Genetics Association, Boulder, CO.
65. **Hershberger, S. L.** (1992, May). *Model equivalence in latent variable modeling*. Paper presented at the conference on the Analysis of Latent Variables in Developmental Research, University Park, PA.
66. **Hershberger, S. L.** (1991, June). *The underestimation of genotype-environment covariance in structural equation modeling methods*. Paper presented at the meeting of the Behavior Genetics Association, St. Louis, MO.
67. **Hershberger, S. L.** (1990, April). *Issues in computer-based assessment of cognition*. Paper presented at the meeting of the National Educational Research Association, Boston, MA.
68. **Hershberger, S. L., & Lee, S.** (1988, June). *Adjustment of communality estimate to extract a better solution in factor analysis*. Paper presented at the meeting of the Psychometric Society, Berkeley, CA.
69. **Lee, S., & Hershberger, S. L.** (1988, June). *Application of a phantom variable to detect a missing variable in covariance structure modeling*. Paper presented at the meeting of the Psychometric Society, Berkeley, CA.