

Structural Equation Modeling References (select)

General:

- Bentler, P. M. (2006). *EQS 6 Structural equations modeling program manual*. Encino, CA: Multivariate Software, Inc.
- Bollen, K., & Lennox, R. (1991). Conventional wisdom on measurement: A structural equation perspective. *Psychological Bulletin*, 110, 305–314.
- Breckler, S. J. (1990). Applications of covariance structure modeling in psychology: Cause for concern? *Psychological Bulletin*, 107, 260–273.
- Byrne, B. M. (2006). *Structural equation modeling with EQS: Basic concepts, applications, and programming* (2nd ed.). Mahwah, NJ: Erlbaum.
- Cudeck, R. (1989). Analysis of correlation matrices using covariance structure models. *Psychological Bulletin*, 105, 317–327.
- Jackson, D.L. (2003). Revisiting sample size and number of parameter estimates: Some support for the N:q hypothesis. *Structural Equation Modeling*, 10, 128–141.
- Jöreskog, K. F., & Sörbom, D. (1989). *LISREL 7: A guide to the program and applications* (2nd ed.). Chicago, IL: SPSS.
- Little, T.D., Lindberger, U., & Nesselroade, J.R. (1999). On selecting indicators of multivariate measurement and modeling with latent variables: When ‘good’ indicators are bad and ‘bad’ indicators are good. *Psychological Methods*, 4, 192–211.
- Loehlin, J. C. (1998). *Latent variable models: An introduction to factor, path, and structural analysis* (3rd ed.). Mahwah, NJ: Lawrence Erlbaum.
- MacCallum, R. (1986). Specification searches in covariance structure modeling. *Psychological Bulletin*, 100, 107–120.
- MacCallum, R.C., & Austin, J.T. (2000). Applications of structural equation modeling in psychological research. *Annual Review of Psychology*, 51, 201–226.
- Ullman, J.B. (2001). Structural equation modeling. In Tabachnick & Fidell (Eds.), *Using multivariate statistics* (4th ed.) (pp. 653–771). Allyn & Bacon.

Data cleaning:

Tabachnick & Fidell (2001). *Using multivariate statistics* (4th ed.). Allyn & Bacon.

Fit:

Bentler, P. M., & Bonett, D. G. (1980). Significance tests and goodness of fit in the analysis of covariance structures. *Psychological Bulletin*, 88, 588-606.

Browne, M. W., & Cudeck, R. (1993). Alternative ways of assessing model fit. In K. A. Bollen & J. S. Long (Eds.), *Testing structural equation models* (pp. 136-162). Newbury Park, CA: Sage.

Hu, L., & Bentler, P. M. (1998). Fit indices in covariance structure modeling: Sensitivity to underparameterized model misspecification. *Psychological Methods*, 3, 424-453.

CFA issues:

Bryant, F.B., & Yarnold, P.R. (2000). Principal components analysis and exploratory and confirmatory factor analysis. In L.G. Grimm & P.R. Yarnold (Eds.), *Reading and understanding multivariate statistics* (pp. 99-136). APA.

Cole, D. A. (1987). Utility of confirmatory factor analysis in test validation research. *Journal of Consulting and Clinical Psychology*, 55, 584-594.

Fabrigar, L. R., Wegener, D. T., MacCallum, R. C., & Strahan, E. J. (1999). Evaluating the use of exploratory factor analysis in psychological research. *Psychological Methods*, 4, 272-299.

Gerbing, D.W., & Hamilton, J.G. (1996). Viability of exploratory factor analysis as a precursor to confirmatory factor analysis. *Structural Equation Modeling*, 3, 62-72.

Gorsuch, R. L. (1983). *Factor analysis* (2nd ed.). Mahwan, NJ: Erlbaum.

Thompson, B.T., & Daniel, L.G. (1996). Factor analytic evidence for the construct validity of scores: A historical overview and some guidelines. *Educational and Psychological Measurement*, 56, 197-208.

Van Prooijen, Jan-Willem, & Van Der Kloot, Willem A. (2001). Confirmatory analysis of exploratively obtained factor structures. *Educational and Psychological*

Measurement, 61, 777–792.

Second-Order CFA:

Marsh, H. W., & Hocevar, D. (1988). A new, more powerful approach to multitrait–multimethod analyses: Application of second-order confirmatory factor analysis. *Journal of Applied Psychology*, 73, 107–117.

Rindskopf, D., & Rose, T. (1988). Some theory and applications of confirmatory second-order factor analysis. *Multivariate Behavioral Research*, 23, 51–67.

Specific error issues:

Bentler, P. M. (1990). Latent variable structural models for separating specific from general effects. In L. Sechrest, E. Perrin, & J. Bunker (Eds.), *Research methodology: Strengthening causal interpretation of nonexperimental data* (pp. 61-83). Rockville, MD: Department of Health and Human Services.

Correlating error terms to improve fit:

Byrne, B. M., & Baron, P. (1993). The Beck Depression Inventory: Testing and cross-validating a hierarchical factor structure for nonclinical adolescents. *Measurement and Evaluation in Counseling and Development*, 26, 164-178.

Tanaka, J. S., & Huba, G. J. (1984). Confirmatory hierarchical factor analyses of psychological distress measures. *Journal of Personality and Social Psychology*, 46, 621–635.

SEM Mediation/Modertation:

James, L.R., Muliak, S.A., & Brett, J.M. (2006). A tale of two methods. *Organizational Research Methods*, 9, 233–244.