

Selected Publications

Journal Articles (peer reviewed)

Research Methods

- Gerhard, C., Klein, A.G., Schermelleh-Engel, K., Moosbrugger, H., Gäde, J., & Brandt, H. (2014). On the performance of likelihood-based difference tests in nonlinear structural equation models. *Structural Equation Modeling* (ahead of print). doi: 10.1080/10705511.2014.935752
- Dijkstra, T. K., & Schermelleh-Engel, K. (2014). Consistent partial least squares for nonlinear structural equation models. *Psychometrika*, 79, 585-604. DOI: 10.1007/s11336-013-9370-0
- Schermelleh-Engel, K., Kerwer, A., & Klein, A. G. (2014). Evaluation of model fit in nonlinear multilevel structural equation modeling. *Frontiers in Psychology*, 5, Article 181. doi:10.3389/fpsyg.2014.00181
- Fischer, K. A., Brandt, H., Schermelleh-Engel, K., Moosbrugger, H., & Klein, A. G. (2013). Detecting the type of moderated nonlinearity: A screening procedure. *Netherlands Journal of Psychology*. 67(4), 106-113.
- Barendse, M.T., Oort, F.J., Werner, C.S, Ligtvoet, R., & Schermelleh-Engel, K. (2012). Measurement bias detection through factor analysis. *Structural Equation Modeling*, 19, 561-579.
- Kelava, A., Werner, C.S., Schermelleh-Engel, K., Moosbrugger, H., Zapf, D., Ma, Y., Cham, H., Aiken, L.S., & West, S.G. (2011). Advanced nonlinear latent variable modeling: Distribution analytic LMS and QML estimators of interaction and quadratic effects. *Structural Equation Modeling*, 18, 465–491.
- Schermelleh-Engel, K., Werner, C. S., Klein, A. G., & Moosbrugger, H. (2010). Nonlinear structural equation modeling: Is Partial Least Squares an alternative? *AStA - Advances in Statistical Analysis*, 94, 167-184.
- Klein, A. G., & Schermelleh-Engel, K. (2010). A measure for detecting poor fit due to omitted nonlinear terms in SEM. *AStA - Advances in Statistical Analysis*, 94, 157-166.
- Höfling, V., Schermelleh-Engel, K., & Moosbrugger, H. (2009). Analyzing multitrait- multimethod data: A comparison of three approaches. *Methodology*, 5(3), 99–111.
- Kelava, A., Moosbrugger, H., Dimitruk, P., & Schermelleh-Engel, K. (2008). Multicollinearity and missing constraints: A comparison of three approaches for the analysis of latent nonlinear effects. *Methodology*, 4, 51-66.
- Ullrich, J., Schermelleh-Engel, K. & Böttcher, B. (2008). The moderator effect that wasn't there: Statistical problems in ambivalence research. *Journal of Personality and Social Psychology*, 95, 774-794.
- Dimitruk, P., Schermelleh-Engel, K., Kelava, A. & Moosbrugger, H. (2007). Challenges in nonlinear structural equation modeling. *Methodology*, 3, 100-114.
- Schermelleh-Engel, K., Keith, N., Moosbrugger, H. & Hodapp, V. (2004). Decomposing person and occasion-specific effects: An extension of latent state-trait theory to hierarchical models. *Psychological Methods*, 9, 198-219.
- Keith, N., Hodapp, V., Schermelleh-Engel & Moosbrugger, H. (2003). Cross-sectional and longitudinal confirmatory factor models for the German Test Anxiety Inventory: A construct validation. *Anxiety, Stress & Coping*, 16, 251 - 270.
- Schermelleh-Engel, K., Moosbrugger, H., & Müller, H. (2003). Evaluating the fit of structural equation models: Tests of significance and descriptive goodness-of-fit measures. *Methods of Psychological Research-Online*, 8, 23–74. Available: <http://www.dgps.de/fachgruppen/methoden/mpr-online/>
- Schermelleh-Engel, K. & Moosbrugger, H. (1998). Methodische Probleme der Schätzung von latenten Moderator-Effekten. *Zeitschrift für Differentielle und Diagnostische Psychologie*, 19, 54.

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Miscellaneous

Voss, U., Schermelleh-Engel, K., Windt, J., Frenzel, C., & Hobson, J. A., (2013). Measuring consciousness in dreams: The Lucidity and Consciousness in Dreams Scale. *Consciousness and Cognition*, 22, 8-21.

Weck, F., Brehm, U. & Schermelleh-Engel, K. (2012). Entwicklung und Validierung eines Fragebogens zur Erfassung von hypochondrischen Sicherheitsverhalten. *Zeitschrift für Klinische Psychologie und Psychotherapie*, 41, 271 – 281.

Heidenreich, T., Schermelleh-Engel, K., Schramm, E., Hofmann, S. G., & Stangier, U. (2011). The factor structure of the Social Interaction Anxiety Scale and the Social Phobia Scale. *Journal of Anxiety Disorders*, 25, 579–583.

Voss, U., Tuin, I., Schermelleh-Engel, K., & Hobson, A. (2011). Waking and dreaming: Related but structurally independent. Dream reports of congenitally paraplegic and deaf-mute persons. *Consciousness and Cognition*, 20, 673-687. DOI: 10.1016/j.concog.2010.10.020

Weck, F., Hilling, C., Schermelleh-Engel, K., Rudari, V., & Stangier, U. (2011). Reliability of adherence and competence as assessment in cognitive behavioral therapy: influence of clinical experience. *Journal of Nervous & Mental Disease*, 199 (4), 276–279.

Briem, D., Behechtnejad, A., Ouchmaev, A., Morfeld, M., Schermelleh-Engel, K., Amling, M. & Rueger, J. M. (2007). Pain regulation and health-related quality of life after thoracolumbar fractures of the spine. *European Spine Journal*, 16(11), 1925-1933.

Stangier, U. Ukrow, U., Schermelleh-Engel, K., Schulze, S., Grabe, M. & Lauterbach W. (2007). Inconsistencies in goal and values of patients with unipolar depression. *Psychotherapy and Psychosomatics*, 76, 162–170.

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Voss, U., Müller, H. & Schermelleh-Engel, K. (2006). Towards the assessment of adaptive vs. rigid coping styles: Validation of the Frankfurt Monitoring Blunting Scales by means of confirmatory factor analyses. *Personality and Individual Differences*, 41, 295–306.

Book Chapters /Books / Tests

Werner, C. S., Schermelleh-Engel, K., Gerhard, C. & Gäde, J. (in press). Strukturgleichungsmodelle (Structural Equation Modeling). In N. Döring & J. Bortz, *Forschungsmethoden und Evaluation* (Research methods and evaluation) (5. Aufl.). Berlin: Springer.

Schermelleh-Engel, K. & Werner, C. S. (2011). Reliabilität (Reliability). In H. Moosbrugger & A. Kelava (Hrsg.), *Testtheorie und Fragebogenkonstruktion* (Test theory and questionnaire development) (2. Auflage, S. 119-142). Berlin: Springer.

Moosbrugger, H. & Schermelleh-Engel (2011). Exploratorische (EFA) und konfirmatorische Faktorenanalyse (CFA) (Exploratory and confirmatory factor analysis). In H. Moosbrugger & A. Kelava (Hrsg.), *Testtheorie und Fragebogenkonstruktion* (Test theory and questionnaire development) (2. Auflage, S. 325-344). Berlin: Springer.

Schermelleh-Engel, K. & Schweizer, K. (2011). Die Multitrait-Multimethod-Analyse (Multitrait-multimethod analysis). In H. Moosbrugger & A. Kelava (Hrsg.), *Testtheorie und Fragebogenkonstruktion* (Test theory and questionnaire development) (2. Auflage, S. 345-352). Berlin: Springer.

Moosbrugger, H., Schermelleh-Engel, K., Kelava, A., & Klein, A.G. (2009). Testing multiple nonlinear effects in structural equation modeling: A Comparison of Alternative Estimation Approaches. In T. Teo & M.S. Khine (Eds.), *Structural Equation Modeling in Educational Research: Concepts and Applications* (pp. 103-136).

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Klein, A.G., Schermelleh-Engel, K., Moosbrugger, H., & Kelava, A. & (2009). Assessing spurious interaction effects. In T. Teo & M.S. Khine (Eds.), *Structural Equation Modeling in Educational Research: Concepts and Applications* (pp. 13-28). Rotterdam, NL: Sense Publishers.

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Schermelleh-Engel, K., Klein, A.G. & Moosbrugger, H. (1998). Estimating nonlinear effects using a Latent Moderated Structural Equations Approach. In R. E. Schumacker & G. A. Marcoulides (Eds.), *Interaction and Nonlinear Effects in Structural Equation Modeling* (pp. 203-238). Mahwah, NJ: Lawrence Erlbaum Associates.

Schermelleh-Engel, K., Moosbrugger, H. & Klein, A. (1998). Structural Equation Models with Latent Interaction Effects: Comparing the Efficiency of LMS, LISREL-ML and LISREL-WLSA. In J. J. Hox & E. D. de Leeuw (Eds.), *Assumptions, Robustness, and Estimation Methods in Multivariate Modeling* (pp. 87-109). Amsterdam: TT-Publikaties.

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Klein, A., Moosbrugger, H., Schermelleh-Engel, K. & Frank, D. (1997b). Zur Schätzung von latenten Moderatoreffekten mit der LMS-Methode. In U. Engel & H. G. Strohe (Hrsg.) *Hierarchische und dynamische Modellierung* (S.151-173). Hamburg: Verlag Dr. Kovac.

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Schermelleh-Engel, K. (1996). *Kompetenz und Schmerzbewältigung: Zur kognitiv-emotionalen Verarbeitung chronischer Schmerzen*. Göttingen: Hogrefe.

Schermelleh-Engel, K. (1995). *Fragebogen zur Schmerzregulation (FSR)*. Frankfurt am Main: Swets Test Services.