

Curriculum Vitae

TERRENCE D. JORGENSEN

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Email address: T.D.Jorgensen "at" uva "dot" nl
Postal address: University of Amsterdam
Department of Child Development and Education
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The Netherlands

EDUCATION

- 2015 PhD, Quantitative Psychology, University of Kansas
Minor: Statistical Computing
Thesis: *Selecting an Optimal Measurement Model and Detecting Differential Item Functioning Using Bayesian Confirmatory Factor Analysis*
URL: <http://hdl.handle.net/1808/19054>
DOI: [10.13140/RG.2.2.14104.03841](https://doi.org/10.13140/RG.2.2.14104.03841)
Dissertation Advisor: Wei Wu
- 2013 MA, Quantitative Psychology, University of Kansas
Thesis: *Assignment Methods in the Three-Form Planned Missing Data Design*
URL: <http://hdl.handle.net/1808/14208>
DOI: [10.1177/0165025414531094](https://doi.org/10.1177/0165025414531094)
Advisors: Todd D. Little and Wei Wu
- 2010 MS, Applied Statistics, Kennesaw State University
- 2007 BS, Psychology, Kennesaw State University
Minor: Applied Statistics and Data Analysis
Graduated Magna Cum Laude

ACADEMIC POSITIONS

- 2022–present Assistant Professor (universitair docent 1), Department of Child Development and Education, University of Amsterdam
- 2018–2021 Assistant Professor (universitair docent 2), Department of Child Development and Education, University of Amsterdam
- 2015–2018 Postdoctoral Researcher, Research Institute of Child Development and Education, University of Amsterdam
- 2013–2015 Assistant Instructor, Department of Psychology, University of Kansas
- 2011–2015 Graduate Research Assistant, Center for Research Methods and Data Analysis, University of Kansas
- Spring 2013 Graduate Research Assistant, Department of Psychology, University of Kansas

- 2012–2013 Graduate Teaching Assistant, Department of Psychology, University of Kansas
- 2008–2011 Psychology Laboratory Coordinator, Department of Psychology, Kennesaw State University
- 2007–2008 Student Assistant, Psychology Laboratory, Kennesaw State University
- 2007 Research Assistant, A. L. Burruss Institute of Public Service and Research, Kennesaw State University. Project: *Every Georgian Counts*

TEACHING EXPERIENCE

Coordinator (graduate-level courses):

Methods and Statistics in Educational Research (for research master; 2018–present)
Masterclass in Methods and Statistics (for Youth-At-Risk master; 2018–present)

Instructor (graduate-level courses):

Masterclass in Methods and Statistics (for Youth-At-Risk master; 2018–present)
Methods and Statistics in Educational Research (for research master; 2015–present)
Structural Equation Modeling (2015–present)
Longitudinal Data Analysis (Spring 2016)

Instructor (bachelor-level courses):

Intermediate Statistics in Psychological Research (4 semesters, Fall 2013 – Spring 2015)
Research Methods in Psychology (Summer 2014)

Teaching Assistant (graduate-level courses):

Multivariate Data Analysis (Fall 2012)
ANOVA (Spring 2013)

Teaching Assistant (bachelor-level courses):

Cognitive Psychology (Fall 2007, Spring 2008)
Experimental Psychology (Spring 2008)
Research Methods (Fall 2007)

PUBLICATIONS

Donnelly, S., **Jorgensen, T. D.**, & Rudolph, C. W. (in press). Power analysis for conditional indirect effects: A tutorial for conducting Monte Carlo simulations with categorical exogenous variables. *Behavior Research Methods*. <https://doi.org/10.3758/513428-022-01996-0>

- Kolbe, L., Molenaar, D., Jak, S., & **Jorgensen, T. D.** (in press). Assessing measurement invariance with moderated nonlinear factor analysis using the R package OpenMx. *Psychological Methods*. <https://doi.org/10.1037/met0000501>
- ten Hove, D., **Jorgensen, T. D.**, & van der Ark, L. A. (in press). Updated guidelines on selecting an ICC for interrater reliability: With applications to incomplete observational designs. *Psychological Methods*. <https://doi.org/10.1037/met0000516>
- Huijzer-Engbrengthof, M., van Rijn-van Gelderen, L., van den Akker, A., **Jorgensen, T. D.**, & Overbeek, G. (in press). Intervention-induced temperament changes in children: Evidence from an RCT of the Incredible Years Parent Program. *Developmental Psychology*. <https://doi.org/10.1037/dev0001591>
- Jak, S., **Jorgensen, T. D.**, ten Hove, D., & Nevicka, B. (in press). Modeling cluster-level constructs measured by individual responses: Configuring a shared approach. *Advances in Methods and Practices in Psychological Science*. <https://doi.org/10.1177/25152459231182319>
- Vispoel, W. P., Hong, H., Lee, H., & **Jorgensen, T. D.** (in press). Analyzing complete generalizability theory designs using structural equation models. *Applied Measurement in Education*.
- Jorgensen, T. D.**, & Garnier-Villarreal, M. (2023). Limited utility of small-variance priors to detect local misspecification in Bayesian structural equation models. In M. Wiberg, D. Molenaar, J. González, J.-S. Kim, & H. Hwang (Eds.), *Quantitative psychology: The 87th annual meeting of the Psychometric Society, Bologna, 2022* (pp. 85–95). New York: Springer. https://doi.org/10.1007/978-3-031-27781-8_8
- Rifenbark, G. G., & **Jorgensen, T. D.** (2023). The plausibility and feasibility of remedies for evaluating structural fit. In M. Wiberg, D. Molenaar, J. González, J.-S. Kim, & H. Hwang (Eds.), *Quantitative psychology: The 87th annual meeting of the Psychometric Society, Bologna, 2022* (pp. 147–160). New York: Springer. https://doi.org/10.1007/978-3-031-27781-8_14
- van der Ark, L. A., **Jorgensen, T. D.**, & ten Hove, D. (2023). Factors affecting efficiency of interrater reliability estimates from planned missing data designs on a fixed budget. In M. Wiberg, D. Molenaar, J. González, J.-S. Kim, & H. Hwang (Eds.), *Quantitative psychology: The 87th annual meeting of the Psychometric Society, Bologna, 2022* (pp. 1–15). New York: Springer. https://doi.org/10.1007/978-3-031-27781-8_1
- Van Trigt, S., Colonnaesi, C., Brummelman, E., **Jorgensen, T. D.**, & Nikolic, M. (2023). Autistic traits and self-conscious emotions in early childhood. *Child Development*, 94(4), 803–1086. <https://doi.org/10.1111/cdev.13921>
- ten Hove, D., **Jorgensen, T. D.**, & van der Ark, L. A. (2022). Interrater reliability for multilevel data: A generalizability theory approach. *Psychological Methods*, 27(4), 650–666. <https://doi.org/10.1037/met0000391>
- Jorgensen, T. D.**, & Johnson, A. R. (2022). How to derive expected values of structural

equation model parameters when treating discrete data as continuous. *Structural Equation Modeling*, 29(4), 639–650. <https://doi.org/10.1080/10705511.2021.1988609>

Jorgensen, T. D., & Forney, K. J. (2022). A reduced social relations model for dyad-constant dependent variables. In M. Wiberg, D. Molenaar, J. González, J.-S. Kim, & H. Hwang (Eds.), *Quantitative psychology: The 86th annual meeting of the Psychometric Society, Virtual, 2021* (pp. 249–264). New York: Springer. https://doi.org/10.1007/978-3-031-04572-1_19

Hensums, M., Overbeek, G. J., & **Jorgensen, T. D.** (2022). Not one sexual double standard but two? Adolescents' attitudes about appropriate sexual behavior. *Youth and Society*, 54(1), 23–42. <https://doi.org/10.1177/0044118X20957924>

Jorgensen, T. D. (2021). How to estimate absolute-error components in structural equation models of generalizability theory. *Psych*, 3(2), 113–133. <https://doi.org/10.3390/psych3020011>

Jak, S., **Jorgensen, T. D.**, & Rosseel, Y. (2021). Evaluating cluster-level factor models with lavaan and Mplus. *Psych*, 3(2), 134–152. <https://doi.org/10.3390/psych3020012>

Jak, S., **Jorgensen, T. D.**, Verdam, M. G. E., Oort, F. J., & Elffers, L. (2021). Analytical power calculations for structural equation modeling: A tutorial and Shiny app. *Behavior Research Methods*, 53, 1385–1406. <https://doi.org/10.3758/s13428-020-01479-0>

Kolbe, L., **Jorgensen, T. D.**, & Molenaar, D. (2021). The impact of unmodeled heteroskedasticity on assessing measurement invariance in single-group models. *Structural Equation Modeling*, 28(1), 82–98. <https://doi.org/10.1080/10705511.2020.1766357>

Schoemann, A. M., & **Jorgensen, T. D.** (2021). Testing and interpreting latent variable interactions using the semTools package. *Psych*, 3(3), 322–335. <https://doi.org/10.3390/psych3030024>

Fischer, K., van den Akker, A., Larsen, H., **Jorgensen, T. D.**, & Overbeek, G. J. (2020). Dopamine functioning and child externalizing behavior: A longitudinal analysis of polygenic susceptibility to parenting. *Journal of Developmental & Behavioral Pediatrics*, 41(8), 628–636. <https://doi.org/10.1097/DBP.0000000000000834>

Garnier-Villarreal, M., & **Jorgensen, T. D.** (2020). Adapting fit indices for Bayesian structural equation modeling: Comparison to maximum likelihood. *Psychological Methods*, 25(1), 46–70. <https://doi.org/10.1037/met0000224>

Mansolf, M., **Jorgensen, T. D.**, & Enders, C. K. (2020). A multiple imputation score test for model modification in structural equation models. *Psychological Methods*, 25(4), 393–411. <https://doi.org/10.1037/met0000243>

Monin, J. K., **Jorgensen, T. D.**, & MacNeil Vroomen, J. L. (2020). Self-reports and caregivers' proxy reports of unmet needs of persons with dementia: Implications for both partners' health-related quality of life. *The American Journal of Geriatric*

Psychiatry, 28(3), 363–367. <https://doi.org/10.1016/j.jagp.2019.10.006>

ten Hove, D., **Jorgensen, T. D.**, & van der Ark, L. A. (2020). Comparing hyperprior distributions to estimate variance components for interrater reliability coefficients. In M. Wiberg, D. Molenaar, J. González, U. Böckenholt, & J.-S. Kim (Eds.), *Quantitative psychology: The 84th annual meeting of the Psychometric Society, Santiago, Chile 2019* (pp. 79–93). New York: Springer. https://doi.org/10.1007/978-3-030-43469-4_7

van Rijn–van Gelderen, L., Ellis–Davies, K., Huijzer–Engbrengthof, M., **Jorgensen, T. D.**, Gross, M., Winstanley, A., Rubio, B., Vecho, O., Lamb, M. E., & Bos, H. M. W. (2020). Determinants of non-paid task division in gay-, lesbian-, and heterosexual-parent families with infants conceived through using artificial reproductive techniques. *Frontiers in Psychology*, 11(914). <https://doi.org/10.3389/fpsyg.2020.00914>

Jorgensen, T. D., Garnier-Villarreal, M., Pornprasertmanit, S., & Lee, J. (2019). Small-variance priors can prevent detecting important misspecifications in Bayesian confirmatory factor analysis. In M. Wiberg, S. A. Culpepper, R. Janssen, J. González, & D. Molenaar (Eds.), *Quantitative psychology: The 83rd annual meeting of the Psychometric Society, New York, 2018* (pp. 255–263). New York: Springer. https://doi.org/10.1007/978-3-030-01310-3_23

Kolbe, L., & **Jorgensen, T. D.** (2019). Using restricted factor analysis to select anchor items and detect differential item functioning. *Behavior Research Methods*, 51(1), 138–151. <https://doi.org/10.3758/s13428-018-1151-3>

Roorda, D. L., **Jorgensen, T. D.**, & Koomen, H. M. Y. (2019). Different teachers, different relationships? Student–teacher relationships and engagement in secondary education. *Learning and Individual Differences*, 75(101761). <https://doi.org/10.1016/j.lindif.2019.101761>

Jorgensen, T. D., Kite, B. A., Chen, P.-Y., & Short, S. D. (2018). Permutation randomization methods for testing measurement equivalence and detecting differential item functioning in multiple-group confirmatory factor analysis. *Psychological Methods*, 23(4), 708–728. <https://doi.org/10.1037/met0000152>

Kite, B. A., **Jorgensen, T. D.**, & Chen, P.-Y. (2018). Random permutation tests of nonuniform differential item functioning in multigroup item factor analysis. In M. Wiberg, S. A. Culpepper, R. Janssen, J. González, & D. Molenaar (Eds.), *Quantitative psychology: The 82nd annual meeting of the Psychometric Society, Zurich, Switzerland, 2017* (pp. 287–296). New York: Springer. https://doi.org/10.1007/978-3-319-77249-3_24

Kolbe, L., & **Jorgensen, T. D.** (2018). Using product indicators in restricted factor analysis models to detect nonuniform measurement bias. In M. Wiberg, S. A. Culpepper, R. Janssen, J. González, & D. Molenaar (Eds.), *Quantitative psychology: The 82nd annual meeting of the Psychometric Society, Zurich, Switzerland, 2017* (pp. 235–245). New York: Springer. https://doi.org/10.1007/978-3-319-77249-3_20

- ten Hove, D., **Jorgensen, T. D.**, & van der Ark, L. A. (2018). On the usefulness of interrater reliability coefficients. In M. Wiberg, S. A. Culpepper, R. Janssen, J. González, & D. Molenaar (Eds.), *Quantitative psychology: The 82nd annual meeting of the Psychometric Society, Zurich, Switzerland, 2017* (pp. 67–75). New York: Springer. https://doi.org/10.1007/978-3-319-77249-3_6
- Jorgensen, T. D.**, Forney, K. J., Hall, J. A., & Giles, S. (2018). Using modern methods for missing data analysis with the social relations model: A bridge to social network analysis. *Social Networks*, *54*, 26–40. <https://doi.org/10.1016/j.socnet.2017.11.002>
- Kite, B. A., **Jorgensen, T. D.**, & Chen, P.-Y. (2018). Random permutation testing applied to measurement invariance testing with ordered-categorical indicators. *Structural Equation Modeling*, *25*(4), 573–587. <https://doi.org/10.1080/10705511.2017.1421467>
- Hunt, J. C., Chesney, S. A., **Jorgensen, T. D.**, Schumann, N. R., & deRoon-Cassini, T. A. (2018). Exploring the gold-standard: Evidence for a two-factor model of the clinician administered PTSD scale for the DSM-5. *Psychological Trauma: Theory, Research, Practice, and Policy*, *10*(5), 551–558. <https://doi.org/10.1037/tra0000310>
- van Rijn–van Gelderen, L., Bos, H. M. W., **Jorgensen, T. D.**, Ellis-Davies, K., Winstanley, A., Golombok, S., Rubio, B., Gross, M., Vecho, O., & Lamb, M. E. (2018). Wellbeing of gay fathers with children born through surrogacy: A comparison with lesbian-mother families and heterosexual IVF parent families. *Human Reproduction*, *33*(1), 101–108. <https://doi.org/10.1093/humrep/dex339>
- Bos, H. M. W., van Rijn–van Gelderen, L., Vecho, O., Rubio, B., Gross, M., **Jorgensen, T. D.**, Ellis-Davies, K., Winstanley, A., Golombok, S., & Lamb, M. E. (2018). Welbevinden van homoseksuele vaders met een kind via draagmoederschap [Wellbeing of gay fathers with children born through surrogacy]. *Pedagogiek*, *38*(2), 127–144. <https://doi.org/10.5117/PED2018.2.002.BOS>
- Jorgensen, T. D.** (2017). Applying permutation tests and multivariate modification indices to configurally invariant models that need respecification. *Frontiers in Psychology*, *8*(1455). <https://doi.org/10.3389/fpsyg.2017.01455>
- Jorgensen, T. D.**, Kite, B., Chen, P.-Y., & Short, S. D. (2017). Finally! A valid test of configural invariance using permutation in multigroup CFA. In L. A. van der Ark, M. Wiberg, S. A. Culpepper, J. A. Douglas, & W.-C. Wang (Eds.), *Quantitative psychology: The 81st annual meeting of the psychometric society, Asheville, North Carolina, 2016* (pp. 93–103). New York: Springer. https://doi.org/10.1007/978-3-319-56294-0_9
- Jak, S., & **Jorgensen, T. D.** (2017). Relating measurement invariance, cross-level invariance, and multilevel reliability. *Frontiers in Psychology*, *8*(1640). <https://doi.org/10.3389/fpsyg.2017.01640>
- Geboers, E. A. M., Geijsel, F. P., Admiraal, W., **Jorgensen, T. D.**, & ten Dam, G. T. M. (2015). Citizenship development of adolescents during the lower grades of secondary education. *Journal of Adolescence*, *45*, 89–97. <https://doi.org/10.1016/j.adolescence.2015.08.017>

Odar Stough, C., Dreyer Gillette, M. L., Roberts, M. C., **Jorgensen, T. D.**, & Patton, S. R. (2015). Mealtime behaviors associated with consumption of unfamiliar foods by young children with autism spectrum disorder. *Appetite*, 95, 324–333. <https://doi.org/10.1016/j.appet.2015.07.019>

Chun, D. S., Shaver, P. R., Gillath, O., Mathews, A., & **Jorgensen, T. D.** (2015). Testing a dual-process model of avoidant defenses. *Journal of Research in Personality*, 55, 75–83. <https://doi.org/10.1016/j.jrp.2015.02.002>

Jorgensen, T. D., Rhemtulla, M., Schoemann, A. M., McPherson, B., Wu, W., & Little T. D. (2014). Optimal assignment methods in three-form planned missing data designs for longitudinal panel studies. *International Journal of Behavioral Development*, 38(5), 397–410. <https://doi.org/10.1177/0165025414531094>

Little, T. D., **Jorgensen, T. D.**, Lang, K. M., & Moore, E. W. G. (2014). On the joys of missing data. *Journal of Pediatric Psychology*, 39(2), 151–162. <https://doi.org/10.1093/jpepsy/jst048>

Jorgensen, T. D., & Marek, P. (2013). Workshops increase students' ability proficiency at identifying general and APA-style writing errors. *Teaching of Psychology*, 40(4), 294–299. <https://doi.org/10.1177/0098628313501037>

McNamara, C. L., Williamson, A. L., & **Jorgensen, T. D.** (2011). Assessment of differential learning by topic in introductory psychology. *Psychology Learning & Teaching*, 10(3), 253–260. <https://doi.org/10.2304/plat.2011.10.3.253>

UNDER REVIEW

Nikolic, M., Brummelman, E., de Castro, B. O., **Jorgensen, T. D.**, & Colonesi, C. (2023). *Parental socialization of guilt and shame in early childhood*. Revision submitted to *Scientific Reports*.

Sigurðardóttir, L. B. A., Huijzer-Engbreghof, M., **Jorgensen, T. D.**, & Overbeek, G. (2023). *Hard to handle: Is the longitudinal association between children's negative affectivity and disruptive behavior mediated by dysfunctional and low-supportive parenting?* Manuscript submitted for publication.

ten Hove, D., **Jorgensen, T. D.**, & van der Ark, L. A. (2023). *Estimating intraclass correlation coefficients for interrater reliability from incomplete observational designs: A simulation study and a tutorial*. Manuscript invited for revision to *Multivariate Behavioral Research*.

ten Hove, D., **Jorgensen, T. D.**, & van der Ark, L. A. (2022). *Interrater reliability for interdependent social network data: A generalizability theory approach*. Manuscript submitted for publication.

IN PREPARATION

Jorgensen, T. D., ten Hove, D., & Jak, S. (2022). *A taxonomy of reliability indices when*

measuring cluster-level constructs. Manuscript in preparation.

Jorgensen, T. D. (2020). *Thresholds as a first-order measurement model: Reconceptualizing measurement equivalence with categorical indicators*. Manuscript in preparation.

Jorgensen, T. D., van der Laan, C., & van der Ark, L. A. (2020). *Beyond ANOVA: Comparing strategies for analyzing (in)dependent-sample means in small samples*. Manuscript in preparation.

van der Storm, L., **Jorgensen, T. D.**, & Overbeek, G. J. (2019). *Genetically (dis)advantaged? Gene–environment interaction, parental support and social anxiety in adolescence*. Manuscript in preparation.

van de Bongardt, D., Luijten, C., **Jorgensen, T. D.**, van den Akker, A. L., & Overbeek, G. J. (2018). *Love at first sight? A quasi-experimental study of facial attractiveness and personality as predictors of matching success in regular versus blind speed-dating sessions*. Manuscript in preparation.

TECHNICAL REPORTS

van der Ark, L. A., van Leeuwen, J. L., & **Jorgensen, T. D.** (2018). *Interbeoordelaarsbetrouwbaarheid LIJ: Onderzoek naar de interbeoordelaarsbetrouwbaarheid van het landelijk instrumentarium jeugdstrafrechtketen [Interrater reliability LIJ: Research on the interrater reliability of the instrument used by the national juvenile criminal law department]*. Amsterdam, the Netherlands: Wetenschappelijk Onderzoek- en Documentatiecentrum van de Ministerie van Justitie en Veiligheid [Scientific research and documentation center of the ministry for justice and security]. Retrieved from <http://hdl.handle.net/20.500.12832/2267>

BOOK REVIEWS

Jorgensen, T. D., & Jak, S. (2020). Review of Gana & Broc's *Structural Equation Modeling with lavaan*. *Psychometrika*, 85(2), 373–377. <https://doi.org/10.1007/s11336-020-09705-6>

PROFESSIONAL PRESENTATIONS

ORGANIZER or CHAIR of Conferences and Symposia

Jorgensen, T. D. (2023, July). *Using structural equation models to analyze round-robin data from social networks*. Symposium conducted at the 10th biennial European Congress of Methodology (EAM/SMEBS), Ghent, Belgium.

Jorgensen, T. D. (2023, March). *New tools to analyze round-robin data from social networks*. Symposium conducted at the 4th biennial International Convention of Psychological Science (ICPS), Brussels, Belgium.

Jorgensen, T. D. (2022, May). *Advances in estimating and accounting for measurement*

error. Symposium conducted at the 34th annual convention for the Association for Psychological Science (APS), Chicago, IL.

Jorgensen, T. D. (2019, July). *The lavaan ecosystem: Past, present, and future*. Symposium conducted at the 84th annual International Meeting of the Psychometric Society (IMPS), Santiago, Chile. <https://doi.org/10.17605/OSF.IO/BCY78>

Verdam, M. G. E., **Jorgensen, T. D.**, Jak, S., Kan, K.-J., & Kolbe, L., Oort, F. J. (2018, March). Co-organized the annual meeting of the Structural Equation Modeling Working Group, Amsterdam, the Netherlands.

Jorgensen, T. D. (2017, May). *Modeling real-world complexity using Bayesian methods*. Symposium conducted at the 29th annual convention for the Association for Psychological Science (APS), Boston, MA. <https://doi.org/10.17605/OSF.IO/FMHG6>

KEYNOTES

Jorgensen, T. D., ten Hove, D., & Jak, S. (2022, April). *Variety is the spice of life: A taxonomy of reliability indices when measuring cluster-level constructs*. Keynote address at the International Conference on Multilevel Analysis, Utrecht University, Utrecht, the Netherlands.

Jorgensen, T. D. (2019, April). *Enriching hypotheses about developmental processes with round-robin designs*. Keynote lecture at the Child Development Conference 2019, Amsterdam, the Netherlands.

INVITED TALKS

Jorgensen, T. D. (2022, February). *Measurement equivalence with categorical indicators: Thresholds as a first-order measurement model*. Guest lecture presented at the Department of Psychosomatic Medicine, Charité – Universitätsmedizin Berlin, Germany (Virtual).

Merry, M. S., & **Jorgensen, T. D.** (2021, September). *What is the value of diversity in an academic environment?* Guest lecture presented at the Department of Child Development and Education's Graduate-School Colloquium, University of Amsterdam, the Netherlands.

Jorgensen, T. D. (2021, August). *Building dyadic network models for dyad-constant dependent variables*. Guest lecture presented at the Psychology Department Colloquium, Ohio University, Athens, Ohio (Virtual).

Jorgensen, T. D. (2021, March). *Building dyadic network models for dyad-constant dependent variables*. Guest lecture presented at the Quantitative Psychology Seminar, McGill University, Montreal, Canada (Virtual).

Jorgensen, T. D. (2019, May). *Two-Step Approaches to Fit an SEM to Network Data*. Guest lecture presented at the Social Relations Modeling Meeting, Ghent University, Belgium.

Jorgensen, T. D. (2019, February). *Measurement equivalence with categorical indicators: Thresholds as a first-order measurement model*. Guest lecture presented at the psychology department's Quantitative Methods Colloquium, Vanderbilt University, Nashville, TN.

Jorgensen, T. D., ten Hove, D., & van der Ark, L. A. (2018, May). *Estimating interrater reliability for dyadic and network data*. Guest lecture presented at the psychology department's Quantitative Brown Bag Series, University of CA, Davis.

SHORT COURSES AND INVITED WORKSHOPS

Jorgensen, T. D. (2022, July). *SimSEM-in-R: Simulating structural equation models using lavaan and simsem*. Preconference workshop for the 87th annual International Meeting of the Psychometric Society (IMPS), Bologna, Italy.

Jorgensen, T. D. (2022, July). *Longitudinal panel models with structural equations*. Course taught for the Research and Expertise Centre for Survey Methodology (RECSM) Summer Methods School, Barcelona, Spain.

Jorgensen, T. D. (2022, July). *A practical introduction to structural equation modeling*. Course taught for the Research and Expertise Centre for Survey Methodology (RECSM) Summer Methods School, Barcelona, Spain.

Jorgensen, T. D. (2022, April). *An overview of multilevel structural equation modeling using the lavaan package*. Postconference workshop for the International Conference on Multilevel Analysis, Utrecht University, Utrecht, the Netherlands.

Jorgensen, T. D. (2022, February). *A practical introduction to structural equation modeling*. Course taught for the Research and Expertise Centre for Survey Methodology (RECSM) Summer Methods School, Barcelona, Spain (Virtual).

Jorgensen, T. D. (2021, July). *A practical introduction to structural equation modeling*. Course taught for the Research and Expertise Centre for Survey Methodology (RECSM) Summer Methods School, Barcelona, Spain (Virtual).

Jorgensen, T. D. (2021, May). *Simulation SEM-in-R: Understanding structural equation models as data-generating populations*. Workshop for the Psychology Department, Norwegian University of Science and Technology (NTNU), Trondheim, Norway (Virtual).

Jorgensen, T. D. (2018, July). *Handling missing data responsibly with structural equation modeling in R*. Workshop for the Junior Researchers (JURE) of the European Association for Research on Learning and Instruction (EARLI) conference, Antwerp, Belgium.

Jorgensen, T. D. (2018, May). *State-of-the-art methods for handling missing data responsibly in SPSS or R*. Workshop for the 30th annual convention for the Association for Psychological Science (APS), San Francisco, CA.

Marek, P., & **Jorgensen, T. D.** (2010, February). *Teaching APA style*. Paper session

presented at the 22nd Southeastern Teaching of Psychology (SETOP) conference, Atlanta, GA.

CONFERENCE PRESENTATIONS AND SYMPOSIA

Bhangale, A. M., & **Jorgensen, T. D.** (2023, July). *Comparing one- to two-stage maximum likelihood estimation for structural equation models of social network data*. Paper presented at the 88th annual International Meeting of the Psychometric Society (IMPS), College Park, Maryland.

Bhangale, A. M., & **Jorgensen, T. D.** (2023, July). Incorporating level-specific covariates in structural equation models of social-network data. In **T. D. Jorgensen** (Chair), *Using structural equation models to analyze round-robin data from social networks*. Symposium conducted at the 10th biennial European Congress of Methodology (EAM/SMEBS), Ghent, Belgium.

Jorgensen, T. D. (2023, July). Toward a general multivariate framework for social network data: An overview of estimation methods for structural social-relations models. In **T. D. Jorgensen** (Chair), *Using structural equation models to analyze round-robin data from social networks*. Symposium conducted at the 10th biennial European Congress of Methodology (EAM/SMEBS), Ghent, Belgium.

Rifenbark, G. G., & **Jorgensen, T. D.** (July, 2023). *A Monte Carlo examination of two-stage approaches for evaluating structural model fit*. Paper presented at the 10th biennial European Congress of Methodology (EAM/SMEBS), Ghent, Belgium.

Schoemann, A. M., & **Jorgensen, T. D.** (2023, April). Simulating large-scale assessment data using the R package `simsem`. In T. Zhang (Chair), *Simulating large-scale assessment data: Tools and practice*. Symposium conducted at the annual meeting of the National Council on Measurement in Education (NCME), Chicago, IL.

Bhangale, A. M., & **Jorgensen, T. D.** (2023, March). Estimation approaches for the social-relations structural equation model. In **T. D. Jorgensen** (Chair), *New tools to analyze round-robin data from social networks*. Symposium conducted at the 4th biennial International Convention of Psychological Science (ICPS), Brussels, Belgium.

Jorgensen, T. D., & Johnson, A. R. (2022, July). *How to derive expected values of structural equation model parameters when treating discrete data as continuous*. Paper presented at the 87th annual International Meeting of the Psychometric Society (IMPS), Bologna, Italy.

Jorgensen, T. D., ten Hove, D., & Jak, S. (2022, May). A taxonomy of reliability indices when measuring cluster-level constructs. In **T. D. Jorgensen** (Chair), *Advances in estimating and accounting for measurement error*. Symposium conducted at the 34th annual convention for the Association for Psychological Science (APS), Chicago, IL.

Jorgensen, T. D. (2022, March). *Pooled score tests for SEM with multiply imputed data*. Paper presented at the annual meeting of the Structural Equation Modeling Working Group, Tilburg, the Netherlands.

- ten Hove, D., **Jorgensen, T. D.**, & van der Ark, L. A. (2021, August). *Updated guidelines on selecting an ICC to estimate interrater reliability*. Paper presented at the 9th biennial European Congress of Methodology (EAM/SMEBS), virtual.
- Jorgensen, T. D.**, & Forney, K. J. (2021, July). *Building dyadic network models for dyad-constant dependent variables*. Paper presented at the 86th annual International Meeting of the Psychometric Society (IMPS), virtual.
- Forney, K. J., **Jorgensen, T. D.**, Horvath, S. A., & McCray, J. (2021, June). *Friendships in a partial hospitalization program for eating disorders: Preliminary results from a pilot study*. Paper presented at the International Conference on Eating Disorders (Virtual).
- ten Hove, D., **Jorgensen, T. D.**, & van der Ark, L. A. (2020, July). *Selecting the appropriate ICC to estimate interrater reliability*. Paper presented at the 85th annual International Meeting of the Psychometric Society (IMPS), virtual.
- ten Hove, D., **Jorgensen, T. D.**, & van der Ark, L. A. (2019, July). *Interrater reliability for multilevel data: A generalizability theory approach*. Paper presented at the 84th annual International Meeting of the Psychometric Society (IMPS), Santiago, Chile.
- Hensums, M., **Jorgensen, T. D.**, & Overbeek, G. (2019, March). *Not one sexual double standard but two? Attitudes about appropriate sexual behavior in Dutch adolescents*. Paper presented at the biennial meeting for the Society for Research in Child Development (SRCD), Baltimore, MD.
- van der Storm, L., **Jorgensen, T. D.**, Overbeek, G., Nelemans, S., Boks, M., Meeus, W., & Branje, S. (2019, March). *Genetically (dis)advantaged? Gene–environment interaction, parental support and social anxiety in adolescence*. Paper presented at the biennial meeting for the Society for Research in Child Development (SRCD), Baltimore, MD.
- Ellis-Davies, K., van Rijn–van Gelderen, L., Rubio, B., Winstanley, A., **Jorgensen, T. D.**, Gross, M., Vecho, O., Bos, H. M. W., Golombok, S., & Lamb, M. E. (2019, March). *Determinants of coparenting quality in gay-, lesbian-, and heterosexual-parent families with infants*. Paper presented at the biennial meeting for the Society for Research in Child Development (SRCD), Baltimore, MD.
- ten Hove, D., **Jorgensen, T. D.**, & van der Ark, L. A. (2019, February). *Applying generalizability theory to interdependent network data: Estimating interrater reliability*. Paper presented at the annual Psychometric Computing (PsychoCo) conference, Prague, Czech Republic.
- ten Hove, D., **Jorgensen, T. D.**, & van der Ark, L. A. (2019, January). *Applying generalizability theory to interdependent network data: Estimating interrater reliability*. Paper presented at the annual Peer-Relations Researchers [Peer Relaties Onderzoekers] (PRO) conference, Amsterdam, the Netherlands.
- Fischer, K., van den Akker, A., Larsen, H., **Jorgensen, T. D.**, & Overbeek, G. J. (2018, November). *Dopamine functioning and child externalizing behavior: A longitudinal analysis of polygenic susceptibility to parenting*. Paper presented at VNOP-CAS

Research Days 2018, Utrecht, the Netherlands.

Garnier-Villarreal, M., & **Jorgensen, T. D.** (2018, July). *Adapting fit indices for Bayesian SEM: Comparison to maximum likelihood*. Paper presented at the 83rd annual International Meeting of the Psychometric Society (IMPS), New York.

Jorgensen, T. D., Forney, K. J., Hall, J. A., & Giles, S. (2018, June). *Using modern methods for missing data analysis with the social relations model: A bridge to social network analysis*. Paper presented at the 38th annual Sunbelt conference, Utrecht, the Netherlands.

ten Hove, D., **Jorgensen, T. D.**, van de Bongardt, D., & van der Ark, L. A. (2018, June). *Interrater reliability for dyad-level predictors in network data*. Paper presented at the 38th annual Sunbelt conference, Utrecht, the Netherlands.

Forney, K. J., **Jorgensen, T. D.**, Hall, J. A., & Giles, S. (2018, April). *Utilizing the social relations model to understand peer perceptions of-body related conversation*. Paper presented at the International Conference on Eating Disorders, Chicago, IL.

Overbeek, G. J., Hensums, M., & **Jorgensen, T. D.** (2018, March). *Not one sexual double standard but two: A shift in attitudes or a previously hidden stance?* Paper presented at the Child Development Conference 2018, Amsterdam, the Netherlands.

van Rijn-van Gelderen, L., Bos, H. M. W., **Jorgensen, T. D.**, Ellis-Davies, K., Winstanley, A., Golombok, S., Rubio, B., Gross, M., Vecho, O., & Lamb, M. E. (2017, August). *Wellbeing and parenting quality of gay fathers with children born through surrogacy: A comparison with lesbian-mother and heterosexual IVF parent families*. Paper presented at the Child Development Conference 2018, Amsterdam, the Netherlands.

van Rijn-van Gelderen, L., Bos, H. M. W., **Jorgensen, T. D.**, Ellis-Davies, K., Winstanley, A., Golombok, S., Rubio, B., Gross, M., Vecho, O., & Lamb, M. E. (2017, August). *Wellbeing of European gay fathers with children born through surrogacy*. Paper presented at the 18th biennial European Association of Developmental Psychology (ECDP) conference, Utrecht, the Netherlands.

Jorgensen, T. D., Kite, B. A., & Chen, P.-Y. (2017, July). *Permutation tests of measurement equivalence with binary and ordinal indicators*. Paper presented at the 82nd annual International Meeting of the Psychometric Society (IMPS), Zürich, Switzerland.

Kolbe, L., & **Jorgensen, T. D.** (2017, July). *Testing measurement bias in restricted factor analysis using product indicators*. Paper presented at the 82nd annual International Meeting of the Psychometric Society (IMPS), Zürich, Switzerland.

van der Ark, L. A., **Jorgensen, T. D.**, & Sigurðardóttir, H. R. (2017, July). *Planning interrater reliability studies*. Paper presented at the 82nd annual International Meeting of the Psychometric Society (IMPS), Zürich, Switzerland.

Jorgensen, T. D., Forney, K. J., Hall, J. A., & Giles, S. (2017, May). Social relations model of self- and peer-perceived body preoccupation: Modeling missing data in a partially observed network. In **T. D. Jorgensen** (Chair), *Modeling real-world complexity using*

Bayesian methods. Symposium conducted at the 29th annual convention for the Association for Psychological Science (APS), Boston, MA.

Jorgensen, T. D. (2017, May). *Applying modern methods for missing data analysis to the social relations model*. Paper presented at the 7th annual Modern Modeling Methods (M3) conference, Storrs, CT.

Jorgensen, T. D. (2017, March). *Permutation tests of configural invariance: Respecifying poor-fitting measurement models*. Paper presented at the annual meeting of the Structural Equation Modeling Working Group, Ghent, Belgium.

Jak, S., & **Jorgensen, T. D.** (2017, March). *Relating measurement invariance, cross-level invariance and multilevel reliability*. Paper presented at the annual meeting of the Structural Equation Modeling Working Group, Ghent, Belgium.

Jorgensen, T. D. (2017, February). *Modern missing-data methods implemented in the R package semTools*. Paper presented at the annual Psychometric Computing (PsychoCo) conference, Vienna, Austria.

Jorgensen, T. D., Kite, B. A., Chen, P.-Y., & Short, S. D. (2016, July). *Permutation randomization methods for testing measurement equivalence/invariance across groups*. Paper presented at the 81st annual International Meeting of the Psychometric Society (IMPS), Asheville, NC.

Jorgensen, T. D., Kite, B. A., Chen, P.-Y., & Short, S. D. (2015, May). *Permutation randomization methods for detecting differential item functioning*. Paper presented at the 5th annual Modern Modeling Methods (M3) conference, Storrs, CT.

Jorgensen, T. D., & Short, S. D. (2015, May). Using Bayes to detect group differences in measurement properties of scale items. In A. Boulton (Chair), *Using Bayes for flexible data analyses*. Symposium conducted at the 27th annual convention for the Association for Psychological Science (APS), New York.

Jorgensen, T. D., Rhemtulla, M., Schoemann, A. M., McPherson, B., Wu, W., & Little T. D. (2014, May). Modeling practice effects using a three-form planned missing data design. In K. M. Lang (Chair), *Practical issues in missing data analysis*. Symposium conducted at the 4th annual Modern Modeling Methods (M3) conference, Storrs, CT.

Jorgensen, T. D., Schoemann, A. M., McPherson, B., Rhemtulla, M., Wu, W., & Little T. D. (2013, May). Assignment methods in the three-form planned missing design. In A. M. Schoemann (Chair), *Planned missing data designs for longitudinal research*. Symposium conducted at the 3rd annual Modern Modeling Methods (M3) conference, Storrs, CT.

Jorgensen, T. D. (2012, May). *Simulation study of posterior predictive p values in a Bayesian confirmatory factor analysis*. Paper presented at the 2nd annual Modern Modeling Methods (M3) conference, Storrs, CT.

SEMINARS AND WORKSHOPS

- van der Ark, L. A., **Jorgensen, T. D.**, & Smits, N. (January 2018). *Programming in R: Intermediate*. Workshop for Consultation 2.0 series, Research Institute of Child Development and Education, University of Amsterdam, the Netherlands.
- Jorgensen, T. D.** (January 2017; January 2016). *Monte Carlo simulation*. Workshop for methodological interns in the Department of Child Development and Education at the University of Amsterdam, the Netherlands.
- Jorgensen, T. D.** (September 2016). *Modern methods for handling missing data*. Workshop for Consultation 2.0 series, Research Institute of Child Development and Education, University of Amsterdam, the Netherlands. Materials available at <http://cde.uva.nl/consultation2point0/previous-workshops/pre.html>
- Jorgensen, T. D.** (April 2016). *Saving time on large-scale computations*. Workshop for Consultation 2.0 series, Research Institute of Child Development and Education, University of Amsterdam, the Netherlands. Materials available at <http://cde.uva.nl/consultation2point0/previous-workshops/pre.html>
- Jorgensen, T. D.** (January 2016). *Introduction to R*. Workshop for methodological interns in the Department of Child Development and Education at the University of Amsterdam, the Netherlands.
- Jorgensen, T. D.**, & Pornprasertmanit, S. (April 2015; October 2014; October 2013; September 2012). *Introduction to SEM in R using lavaan*. Saturday Seminar, Center for Research Methods and Data Analysis, University of Kansas, Lawrence, KS. Materials available at <http://crmda.ku.edu/workshop-series>
- Jorgensen, T. D.**, & Pornprasertmanit, S., & Jia, F. (April 2015; February 2013). *Introduction to regression and ANOVA in R*. Saturday Seminar, Center for Research Methods and Data Analysis, University of Kansas, Lawrence, KS.
- Jorgensen, T. D.** (September 2014). *Effect size and statistical power*. Presentation at the *Advanced Research Methods II* course, University of Kansas, Lawrence, KS.
- Jorgensen, T. D.** (August 2014). *Monte Carlo simulation*. Workshop at the University of Kansas Summer Methodology Institute, Lawrence, KS.
- Jorgensen, T. D.** (August 2014). *Power analysis*. Workshop at the University of Kansas Summer Methodology Institute, Lawrence, KS.
- Jorgensen, T. D.**, Pornprasertmanit, S., & Jia, F. (February 2014; September 2013; February 2013). *Introduction to R syntax*. Saturday Seminar, Center for Research Methods and Data Analysis, University of Kansas, Lawrence, KS. Materials available at <http://crmda.ku.edu/workshop-series>
- Jorgensen, T. D.** (June 2013). *Effect size estimates and statistical significance*. Presentation at the *Statistical Literacy* course, University of Kansas Summer Institute in Statistics, Lawrence, KS.
- Jorgensen, T. D.** (June 2013). *Data visualization and displays*. Presentation at the *Statistical*

Literacy course, University of Kansas Summer Institute in Statistics, Lawrence, KS.

Jorgensen, T. D. (June 2013). *Descriptive summary statistics*. Presentation at the *Statistical Literacy* course, University of Kansas Summer Institute in Statistics, Lawrence, KS.

Jorgensen, T. D. (June 2012). *Introduction to SAS*. Presentation at the *Modeling Relationships with Binary, Nominal, and Ordinal Responses* course, University of Kansas Summer Institute in Statistics, Lawrence, KS.

Lang, K., & **Jorgensen, T. D.** (April 2012). *Modern missing data analysis*. Saturday Seminar, Center for Research Methods and Data Analysis, University of Kansas, Lawrence, KS.

Gu, F., & **Jorgensen, T. D.** (April 2012). *Introduction to SAS syntax*. Saturday Seminar, Center for Research Methods and Data Analysis, University of Kansas, Lawrence, KS.

POSTER PRESENTATIONS

Kolbe, L., **Jorgensen, T. D.**, & Molenaar, D. (2020, July). *The impact of unmodeled heteroskedasticity on assessing measurement invariance in single-group models*. Poster presented at the 9th biennial European Congress of Methodology (EAM): Virtual phase, Valencia, Spain (delayed to 2021).

Fischer, K., van den Akker, A., Larsen, H., **Jorgensen, T. D.**, & Overbeek, G. J. (2019, June). *Dopamine functioning and child externalizing behavior: A longitudinal analysis of polygenic susceptibility to parenting*. Poster presented at the 19th biennial International Society for Research in Child and Adolescent Psychopathology (ISRCAP) Scientific Meeting, Los Angeles, CA.

van Rijn-van Gelderen, L., Bos, H. M. W., **Jorgensen, T. D.**, Ellis-Davies, K., Winstanley, A., Golombok, S., Rubio, B., Gross, M., Vecho, O., & Lamb, M. E. (2018, August). *Determinants of co-parenting quality in gay-, lesbian-, and heterosexual-parent families with infants*. Poster presented at the annual meeting of the American Psychological Association, New York.

Diel, T. K., **Jorgensen, T. D.**, & Zijlstra, B. J. H. (2018, June). *Examining density and reciprocity across social network models*. Poster presented at the 38th annual Sunbelt conference, Utrecht, the Netherlands.

Jorgensen, T. D., Schoemann, A. M., McPherson, B., Rhemtulla, M., Wu, W., & Little T. D. (2013, April). *Assignment methods in the three-form planned missing design*. Poster session presented at the biennial meeting for the Society for Research in Child Development (SRCD), Seattle, WA.

Wang, Y., Moore, E. W. G., **Jorgensen, T. D.**, Bennett, D., Carmody, D., & Lewis, M. (2013, April). *Factorial structure and measurement invariance of environmental risk during middle childhood*. Poster session presented at the biennial meeting for the Society for Research in Child Development (SRCD), Seattle, WA.

Gibson, K., Schoemann, A. M., Jia, F., Rifenshark, G. G., **Jorgensen, T. D.**, Rhemtulla, M., Wu, W., & Little T. D. (2012, July). *Power of planned missing designs in longitudinal panel designs*. Poster session presented at the 77th annual International Meeting of the Psychometric Society (IMPS), University of Nebraska, Lincoln, NE.

Kinai, R., **Jorgensen, T. D.**, Rifenshark, G. G., Jia, F., Schoemann, A. M., Little T. D., & Wu, W. (2012, July). *Power and bias in three-forms planned missing data designs for longitudinal mediation*. Poster session presented at the 77th annual International Meeting of the Psychometric Society (IMPS), University of Nebraska, Lincoln, NE.

Marek, P., & **Jorgensen, T. D.** (2012, February). *What ever happened to the second 'R? A preliminary glimpse into psychology chairs' perceptions of students' writing skills*. Poster presented at the 24th Southeastern Teaching of Psychology (SETOP) conference, Atlanta, GA.

Jorgensen, T. D., Tzortzinakis, C., Countryman, M., & Marek, P. (2011, February). *Do workshops increase students' ability to identify general and APA-style writing errors?* Poster session presented at the 23rd Southeastern Teaching of Psychology (SETOP) conference, Atlanta, GA.

Williamson, A. L., McNamara, C. L., Thaxton, C. L., Winn, R. E., & **Jorgensen, T. D.** (2010, October). *Assessment of learning in General Psychology by topic*. Poster session presented at Best Practices: Assessing Teaching and Learning in Psychology conference, Atlanta, GA.

Joseph, K.-T., **Jorgensen, T. D.**, Rogers, D. T., & Helms, J. L. (2009, February). *Effects of participation in an undergraduate psychology peer mentorship program*. Poster session presented at the 21st Southeastern Teaching of Psychology (SETOP) conference, Atlanta, GA.

ONLINE TEACHING MATERIALS

* The instructional videos on my YouTube channel have accumulated over 1,000,000 views:
<https://www.youtube.com/user/inherimage/videos>

Jorgensen, T. D. (2014). *Classification trees in R* [Video file]. Available at
<https://www.youtube.com/watch?v=3TbzO5vep20>

Jorgensen, T. D. (2011). *APA format in Word 2010* [Video file]. Available at
<http://www.youtube.com/watch?v=KUjhwGmhDrI>

Jorgensen, T. D. (2011). *APA format in Word for Mac* [Video file]. Available at
<http://www.youtube.com/watch?v=IAhHWNcU3vM>

Jorgensen, T. D. (2011). *Group ICA fMRI Toolbox (GIFT)* [Video file]. Available at
http://www.youtube.com/watch?v=q86nh8qZ228&feature=channel_video_title

Jorgensen, T. D. (2011). *How to use track changes in Word 2010* [Video file]. Available at
<http://www.youtube.com/watch?v=AUF-IxzXyVk>

Jorgensen, T. D. (2011). *How to use track changes in Word for Mac* [Video file]. Available at <http://www.youtube.com/watch?v=-OTTIZIFL4E>

Jorgensen, T. D. (2011). *How to report statistics in APA style* [Video file]. Available at <http://www.youtube.com/watch?v=YKHPmGn0E3Q>

Jorgensen, T. D. (2011). *How to report statistics in APA style using Word for Mac* [Video file]. Available at <http://www.youtube.com/watch?v=3nWWTHeliR0>

Jorgensen, T. D. (2011). *SPSS 16: Data management* [Video file]. Available at <http://www.youtube.com/watch?v=n6RSqQCJXYM>

Jorgensen, T. D. (2011). *SPSS 16: Data analysis part 1* [Video file]. Available at <http://www.youtube.com/watch?v=IRCzOD27NQU>

Jorgensen, T. D. (2011). *SPSS 16: Data analysis part 2* [Video file]. Available at <http://www.youtube.com/watch?v=Izuoh0qvXK0>

GRANT EXPERIENCE

Developing and validating a generalized structural equation model for social network data.

PI: Terrence D. Jorgensen. (2023–2024). Grant for €50,000 supported by the Netherlands Organization for Scientific Research (NWO) for the Open Competition (NWO grant 406.XS.01.078).

Let's stop wasting resources! Social sciences need valid power-analysis methods. **PI:**

Terrence D. Jorgensen. Grant proposal submitted in 2022 to the Netherlands Organization for Scientific Research (NWO) for the Innovational Research Incentives Scheme (Vidi). Not granted.

From parental risk to child mental illness: A genetically informed investigation of intergenerational risk pathways (I-RISK). **PI:** Jean-Baptiste Pingault. Funded by: European Research Council's Horizon 2020 program (ERC Consolidator Grant number 863981). Role: Statistical consultant.

Power up! Developing efficient, ecologically valid social-science power-analysis methods.

PI: Terrence D. Jorgensen. Grant proposal submitted in 2021 to the Netherlands Organization for Scientific Research (NWO) for the Innovational Research Incentives Scheme (Vidi). Not granted.

Evolving Models for Dyadic Network Data to Represent and Test Complex Theories. **PI:**

Terrence D. Jorgensen. (2019–2023). Grant for €250,000 supported by the Netherlands Organization for Scientific Research (NWO) for the Innovational Research Incentives Scheme (NWO grant 016.Veni.195.457).

Unstatic: Towards an adaptive online learning environment for statistics education.

Terrence D. Jorgensen (PI) & Suzanne Jak. (2021). Grant for €4500 supported by the University of Amsterdam's Grassroots program.

Facilitating peer feedback in statistics classes using R Markdown. Suzanne Jak (PI) & **Terrence D. Jorgensen.** (2020). Grant for €4500 supported by the University of Amsterdam’s Grassroots program.

Permutation Techniques for Better Hypothesis Testing in Latent Variable Models. PI: Terrence D. Jorgensen. Grant proposal submitted in 2017 to Netherlands Organization for Scientific Research (NWO) for the Innovational Research Incentives Scheme (Veni). Not granted.

Betrouwbaarheid LIJ [Reliability of the National Instrument for the Juvenile Criminal Justice System]. PI: L. Andries van der Ark. Funded by: Ministerie van Veiligheid en Justitie [Ministry of Security and Justice] (2694). Roles: Project leader, proxy PI.

Planned Missing Research Designs: Power and Validity of Planned Missing Data Designs in Longitudinal Research. Co-PIs: Wei Wu, Todd D. Little. Funded by: National Science Foundation (1053160). Roles: Project leader, data analyst.

A Secondary Analysis of the National Longitudinal Transition Study 2: Examining Relationships Between Expectations, Opportunities, and Postsecondary Life Engagement. PI: Mary Morningstar. Funded by: U.S. Department of Education, Institute of Education Sciences (R324A100275). Role: Statistical and methodological consultant.

Interactive Effects of Environmental Risk and Prenatal Cocaine Exposure in Preadolescence. PI: Yiping Wang. Funded by: National Institute of Health, National Institute on Drug Abuse (1K01DA024113-01A1). Role: Statistical and methodological consultant.

PROFESSIONAL ORGANIZATIONS

Association for Psychological Science (APS)
 Interuniversity Graduate School of Psychometrics and Sociometrics (IOPS): Junior Staff
 Psychometric Society

- Member of communications/website committee 2020–present

SERVICE

2020–present Associate Editor for the *British Journal of Mathematical and Statistical Psychology*

2015–present Statistical and Methodological Consultation (coordinator since 2023), Department of Child Development and Education, University of Amsterdam

Client Type	<i>N</i>	
UvA Master’s Thesis research	5	
UvA Doctoral Dissertation research	18	
UvA Staff (postdocs, professors) research	21	<u>TOTAL</u>
Private sector, government, other institutions	5	49

2011–2015 Statistical and Methodological Consultation, Center for Research Methods and Data Analysis, University of Kansas

Client Type	<i>N</i>	
KU Master’s Thesis	9	
KU Dissertation	27	
Misc. KU Student or Post doc Research	7	
KU Faculty Research	12	
Non-KU Dissertation	2	
Non-KU Faculty Research	5	<u>TOTAL</u>
Private Sector Research	4	66

2014–2015 Graduate student representative to faculty meetings, Psychology Department, University of Kansas

2011–2014 Member of the Ethics and Academic Integrity Committee, Center for Research Methods and Data Analysis, University of Kansas

2011–2014 Member of the KUant Guide Committee, Center for Research Methods and Data Analysis, University of Kansas

2011–2013 “Counselor” (consultant), Summer Institutes in Statistics (“Stats Camp”). Consulted for workshops on structural equation modeling, multilevel modeling, longitudinal analysis, R, *Mplus*, modeling of intraindividual observations, Bayesian data analysis, test theory, and categorical data analysis.

2011–2012 Checked accuracy in undergraduate methods and statistics textbooks

- Aron, A., Coups, E. J., & Aron, E. N. (2012). *Statistics for psychology* (6th ed.). Upper Saddle River, NJ: Pearson.
- Beins, B. C., & McCarthy, M. A. (2012). *Research methods and statistics*. Upper Saddle River, NJ: Prentice Hall.
- Marek, P. (2012). *An introduction to APA style*. Available in *ForeWords library*: www.worthpublishers.com/Catalog/content.aspx?Title=1160#4

2008–2019 Editorial assistant for *Teaching of Psychology*

2008–2011 Academic Advisement Coordinator, web site and SONA undergraduate research pool manager, Psychology Department, Kennesaw State University

2008 Peer Mentors supervisor, Psychology Department, Kennesaw State University

Reviewer for grant proposals:

European Foundation for the Improvement of Living and Working Conditions (Eurofound)
 German Research Foundation (Deutsche Forschungsgemeinschaft; DFG)
 Research Foundation, Flanders (Fonds Wetenschappelijk Onderzoek, Vlaanderen; FWO)

Ad hoc reviewer for peer-reviewed journals:

Applied Economics
Behavior Research Methods

Biometrical Journal
Child Abuse and Neglect
Frontiers in Psychology
International Journal of Behavioral Development
International Journal of Methods in Psychiatric Research
International Journal of Testing
Journal of Data Science, Statistics, and Visualisation
Journal of Educational and Behavioral Statistics
Journal of Educational Measurement
Journal of Operations Management
Journal of Statistical Planning and Inference
Journal of Statistical Software
Methodology
Multivariate Behavioral Research
Personality and Social Psychology Bulletin
PLoS ONE
Psych
Psychiatry Research
Psychological Methods
Psychological Test and Assessment Modeling
Psychometrika
Quality of Life Research
Research in Human Development
Research Synthesis Methods
Stats
Structural Equation Modeling
Teaching of Psychology

(Co-)Advisor on doctoral dissertation committees:

- 2023 Debby ten Hove, University of Amsterdam
Dissertation: *Interrater reliability for incomplete and dependent data*
- 2022 Laura Kolbe, University of Amsterdam
Dissertation: *Novel approaches to assess measurement invariance*

(Co-)Advisor on master's thesis committees:

- 2023 Aditi Manoj Bhangale, University of Amsterdam
Thesis: *Comparing maximum likelihood to two-stage estimation for structural equation models of social network data*
- 2022 Francesca Casertano, University of Amsterdam
Thesis: *Measuring the sum of the parts: Practices of reporting reliability in studies that employ multilevel regression*
- 2022 Amy Liu, University of Amsterdam
Thesis: *Talking about the same thing: A systematic review on testing cross-level measurement invariance in multilevel SEM studies*

- 2022 Luuk van Griensven, University of Amsterdam
Thesis: *When relying on multiple levels, how do educational sciences studies that employ multi-level structural equation modelling report measurements of reliability?*
- 2019 Steven Kuijper, University of Amsterdam
Thesis: *Testing the full information approach for handling missing data in the j2 model for social network analysis*
- 2019 Tracy Keenan Diel, University of Amsterdam
Thesis: *Implications of dependent density and reciprocity parameters in exponential random graph models*
- 2018 Debby ten Hove, University of Amsterdam
Thesis: *Defining an interrater reliability coefficient for dyadic measurements: A generalizability theory approach*
- 2018 Maud Hensums, University of Amsterdam
Thesis: *The assessment of a sexual double standard among Dutch adolescents: Are we measuring what we attempt to measure?*
- 2017 Laura Kolbe, University of Amsterdam
Thesis: *The selection of anchor items and testing measurement bias using restricted factor analysis models with product indicators*
- 2017 Lisa van der Storm, University of Amsterdam
Thesis: *Genetically (dis)advantaged? Gene-environment interaction, parental support and social anxiety in adolescence*
- 2016 Chantal Luijten, University of Amsterdam
Thesis: *Understanding the discrepancy between young adults' preferred and actual partner personality in a speed-dating study: The role of facial attractiveness and gender differences*
- 2016 Camiel van der Laan, University of Amsterdam
Thesis: *A Monte Carlo comparison of analytic strategies for comparing means across repeated measures*

HONORS & AWARDS

- 2023–2024 NWO Open-Competition XS grant 406.XS.01.078 (€50,000)
- 2019–2023 NWO Veni grant 016.Veni.195.457 (€250,000)
- April 2023 Kohnstamm Foundation Fund for Educational Research (€511.06)
- April 2021 University of Amsterdam's Grassroots program (€3500)
- April 2020 University of Amsterdam's Grassroots program (€4500)
- April 2019 Kohnstamm Foundation Fund for Educational Research (€1000)
- February 2018 Kohnstamm Foundation Fund for Educational Research (€186)
- February 2017 Kohnstamm Foundation Fund for Educational Research (€560)
- December 2017 Basiskwalificatie Onderwijs (BKO; basic teaching qualification)

May 2014 Graduate Travel Award, KU Research & Graduate Studies (\$500)
April 2008 Outstanding Graduate: KSU Psychology Department
September 2007 KSU Psychology Club Scholarship (\$750)
April 2007 GA Undergraduate Research conference, Outstanding Poster (\$25)
2006–2007 GA Pell Grant recipient
1999–2007 GA HOPE Scholarship recipient

SOFTWARE PROFICIENCY

Maintainer of the R packages `semTools` and `simsem`
Coauthor of the R package `lavaan`
Contributor to the R packages `blavaan` and `semPlot`
General statistical packages: R, SAS, SPSS, JASP, Jamovi
Structural Equation Modeling: `lavaan`, *Mplus*, `OpenMx`, EQS, LISREL, SAS CALIS
Bayesian modeling languages: Stan, JAGS and (Open/Win)BUGS
High-level programming languages: C, C++, FORTRAN
High-performance cluster computing (HPC) using PBS / Slurm

REFERENCES

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