

Felix Thoemmes

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Education

2009	Ph.D. Quantitative Psychology, Arizona State University
2005	M.A. Experimental Psychology, Indiana State University
2002	Pre-diploma, University of Landau, Germany

Employment

2021-	Department Chair Cornell University Department of Psychology
2017-	Associate Professor Cornell University Department of Human Development & Department of Psychology
2012-2017	Assistant Professor Cornell University Department of Human Development & Department of Psychology
2010-2012	W-2 Professor University of Tübingen, Germany Center for Empirical Educational Research and Educational Psychology
2010	Visiting Professor University of Jena, Germany
2009-2010	Assistant Professor Texas A&M University

Grants

2023	Cornell Center for Data Science for Enterprise and Society. Azure Cloud Computing grant. \$5,000 Role: PI
2018-2021	Active Learning Initiative grant. Cornell University. \$650,000 Role: Faculty lead
2018-	Exploring the relation between non-spatial skills and mental rotation from infancy to pre-K. National Science Foundation (NSF). Division of Behavioral and Cognitive Science - Developmental Sciences. \$795,955 Role: Co-Investigator , PI: Marianella Casasola
2016	Cornell Translational Research Institute for Pain in Later Life Positive Affect and Chronic Pain in Older Adults: A Systematic Review and Meta-Analysis \$20,000 Role: Consultant , PI: Anthony Ong
2014-2017	Institute for Education Sciences (IES) - Federal grant, full indirect cost Web-based software to estimate power and causal effects of various regression discontinuity designs \$700,000 Role: PI
2013	Cornell Translational Research Institute for Pain in Later Life A Pilot Study of Fragile Positive Emotions in Older Adults with Chronic Pain \$10,000 Role: Co-Investigator , PI: Anthony Ong

- 2012 Cornell Institute for Social Sciences (ISS)
Causal Mediation analysis in the presence of latent heterogeneity
\$3,000
Role: **PI**, Co-PI: Davood Tofghi
- 2012 Institute for Education Sciences (IES) - Federal grant, full indirect cost
Matching Strategies for Observational Studies with Multilevel Data in Educational Research
\$400,000
Role: **Co-Investigator**, PI: Peter Steiner

Software

- 2018 **Thoemmes, F., Jin, Liao, W., Papst, I., & Zhang, W. (2018). *R package rddapp*. Available at <https://cran.r-project.org/web/packages/rddapp/index.html>
Total downloads of all versions: 21,000 as of January, 2022.**
- 2014 **Thoemmes, F., Braver, S., & Rosenthal, R. (2014). *R and Excel programs to conduct cumulative meta-analysis*. Available at <http://www.human.cornell.edu/hd/qml/software.cfm>**
- 2012 **Thoemmes, F., & Liao, W. (2012). *An SPSS R Menu for Propensity Score Matching*. Available at <http://sourceforge.net/projects/psmspss/files/>.
Total downloads of latest versions: 42,000 as of January, 2024.**

Awards

- 2021 Stephen H. Weiss Junior Fellowship Award
\$20,000
Cornell University
- 2018 SUNY Chancellor's Awards for Excellence in Teaching
Cornell University
- 2010 Student Led Award for Teaching Excellence (SLATE)
\$2,500
Texas A&M University

2005	Educational Excellence Award \$300 Indiana State University, College of Arts and Sciences
2004	Fulbright scholarship \$20,000 Fulbright Commission Germany
2004	DAAD Scholarship \$20,000 German Academic Exchange Service (DAAD)

Peer-reviewed publications

UNDER REVIEW

under review	Cole, D., Abitante, G., Tran, T., Lubarsky, S., Kan, H., Bailes, L., Cardenas, E., & Thoemmes, F. (under review). Deliberately Measuring Reasons for Missingness: Toward the Reduction of Bias Due to Nonrandom Missing Data. <i>Applied Psychological Measurement</i> .
under review	Thoemmes, F. & Mingelgrin, S. (under review). Using instrumental variables to recover estimates under missing not at random. <i>Psychological Methods</i> .
under review	Kim, J., & Thoemmes, F. (under review). Causal assumptions of the two-wave longitudinal mediation model. <i>Multivariate Behavioral Research</i> .
under review	Primbs, M., Bijlstra, G., & Thoemmes, F. (under review). Causal Inference for Dummies: A Tutorial on Directed Acyclic Graphs and Balancing Weights. <i>Social Cognition</i> .

PUBLISHED

- 2023 **Thoemmes, F. & Kim, Y.** (2023). Bias and sensitivity analysis for linear front-door models. *Methodology*, 19(3), 256-282. <https://doi.org/10.5964/meth.9205>
- 2023 Ratner, K., Burrow, A., Mendle, J., & **Thoemmes, F.** (2023). Derailment and depression in college: Tests of 3-year predictive capacity and moderation by self-reflection, brooding, perfectionism, and cognitive flexibility. *Journal of Counseling Psychology*, 70(2), 212-222.
- 2022 Ratner, K., Burrow, A., **Thoemmes, F.**, & Mendle, J. (2022). Invariance of the Derailment Scale-6: Testing the Measurement and Correlates of Derailment across Adulthood. *Psychological Assessment*, 34(4), 320-331.
- 2022 Rosenfeld, D., ..., **Thoemmes, F.**, et. al. (2022). Conducting Social Psychological Research in the Wake of COVID-19. *Perspectives on Psychological Science*, 17(2), 311-333.
- 2020 Grosz, M., Rohrer, J., & **Thoemmes, F.** (2020). The taboo against explicit causal inference in nonexperimental psychology. *Perspectives on Psychological Science*, 15 (5), 1243-1255.
- 2020 Ong, A., **Thoemmes, F.**, Ratner, K., Ghezzi-Kopel, K., & Reid, C. (2020). Positive Affect and Chronic Pain: A Preregistered Systematic Review and Meta-Analysis *Pain*, 161(6), 1140-1149.
- 2020 **Thoemmes, F.** (2020). The assumptions of directional dependence analysis. *Multivariate Behavioral Research*, 55 (4), 516-522.
- 2019 Ratner, K., Mendle, J., Burrow, A. L., & **Thoemmes, F.** (2019). Depression and derailment: A cyclical model of mental illness and perceived identity change. *Clinical Psychological Science*, 7(4), 735-753.
- 2019 Mayer, A., & **Thoemmes, F.** (2019). Analysis of Variance Models with Stochastic Group Weights. *Multivariate Behavioral Research.*, 54 (4), 542-554

- 2019 **Thoemmes, F., & Lemmer, G.** (2019). Mediation analysis revisited again. *Australasian Marketing Journal*, 27 (1), 52-56.
- 2019 Parker, P., Marsh, H., **Thoemmes, F., & Biddle, N.** (2019). The Negative Year in School Effect: Extending Scope and Strengthening Causal Claims *Journal of Educational Psychology*, 111 (1), 118-130.
- 2018 Mohan, K., **Thoemmes, F., & Pearl, J.** (2018). Estimation with Incomplete Data: The Linear Case. *International Joint Conference on Artificial Intelligence*, 5082-5088.
- 2018 **Thoemmes, F., Rosseel, Y., & Textor, J.** (2017). Local Testing of Structural Equation Models. *Psychological Methods*, 23 (1), 27-41.
- 2017 **Thoemmes, F., Liao, W., & Jin, Z.** The analysis of the regression-discontinuity design in R. *Journal of Educational and Behavioral Statistics.*, 42 (3), 341-360.
- 2017 Williams, W., Mahajan, A., Vermeulen, F., **Thoemmes, F., & Ceci, S.** (2017). Does Gender of Administrator Matter? National Study Explores University Administrators' Attitudes About Retaining Women STEM Professors. *Frontiers in Psychology*. <https://doi.org/10.3389/fpsyg.2017.00700>
- 2017 Coman, E., **Thoemmes, F., & Fifield, J.** Commentary: Muth  n, B., & Asparouhov, T. (2017). Causal effects in mediation modeling: An introduction with applications to latent variables. *Structural Equation Modeling: A Multidisciplinary Journal*, 22(1), 12-23. (in press). *Frontiers in Psychology, Section Quantitative Psychology and Measurement*.
- 2016 Kang, C., **Thoemmes, F., & Lust, B.** (2016). Effects of SES on Executive Attention in Malay-English bilingual children in Singapore. *Bilingualism: Language and Cognition.*, 19 (5), 1042-1056.
- 2016 Moore, S., & **Thoemmes, F.** (2016). What is the Biological Reality of G x E Estimates? An Assessment of Bias in Developmental Models. *Journal of Child Psychology and Psychiatry.*, 51 (11), 1258-1267.
- 2016 Ratner, K., Burrow, A., & **Thoemmes, F.** (2016). The Effects of Exposure to Objective Coherence on Perceived Meaning in Life: A Preregistered Direct Replication of Heintzelman, Trent, and King (2013). *Royal Society Open Science*, 3 (11).
- 2016 **Thoemmes, F., & Ong, A.** (2016). A primer on inverse-probability-of-treatment weighting and marginal structural models. *Emerging Adulthood*, 4 (1), 40-59.
- 2015 **Thoemmes, F., & Mohan, K.** (2015). Graphical representation of missing data problems. *Structural Equation Modeling: An Interdisciplinary Journal*, 22 (4), 631-642.

- 2015 Parker, P., **Thoemmes, F.**, & Salmena-Aro, K. (2015). I wish I had (not) taken a gap-year? The psychological and attainment outcomes of different post-school pathways. *Developmental Psychology*, 51, 323-333.
- 2015 **Thoemmes, F.** (2015). Empirical tests of directional dependence. *International Journal of Behavioral Development*, 39 (6), 560-569.
- 2015 **Thoemmes, F.** (2015). M-bias, butterfly-bias, and embedded butterfly-bias: A comment on Ding and Miratrix. *Journal of Causal Inference*, 3 (2), 253-258.
- 2015 **Thoemmes, F.** (2015). Reversing arrows in mediation models does not distinguish plausible models. *Journal of Basic and Applied Social Psychology*, 37 (4), 226-234.
- 2014 Braver, S., **Thoemmes, F.**, & Rosenthal, B. (2014). Cumulative meta-analysis and replicability. *Perspectives on Psychological Science*, 9(3), 333-342.
- 2014 **Thoemmes, F.**, & Rose, N. (2014). A cautious note on auxiliary variables that can increase bias in missing data problems. *Multivariate Behavioral Research*, 49 (5), 443-459.
- 2014 Mayer, A., **Thoemmes, F.**, Rose, N., Steyer, R., & West, S.G. (2014). Theory and analysis of total, direct, and indirect causal effects. *Multivariate Behavioral Research*, 49 (5), 425-442.
- 2014 Jonkmann, K., **Thoemmes, F.**, Lüdtke, O., & Trautwein, U. (2014). Personality trait development in young adulthood: The role of living arrangements. *Developmental Psychology*, 50(3), 683-698.
- 2014 Tofighi, D., & **Thoemmes, F.** (2014). Single-level and multilevel mediation analysis. *The Journal of Early Adolescence*, 34(1), 93-119.
- 2014 West, S., Cham, H., **Thoemmes, F.**, Renneberg, B., Weiler, M., Schulze, J. (2014). Propensity scores for equating groups: Basic principles and application in clinical treatment outcome research. *Journal of Clinical and Counseling Psychology*, 82 (5), 906-915.
- 2013 Mabry, L., Elliot, D., MacKinnon, D., **Thoemmes, F.**, & Kuehl, K. (2013). Understanding the durability of a fire department wellness program. *American Journal of Health Behavior*, 37 (5), 693-702.
- 2013 Zettler, I., Kramer, J., **Thoemmes, F.**, Nagy, G., & Trautwein, U. (2013). Different types of universities and early career success: An exploratory investigation. (Welchen Einfluss hat der Besuch unterschiedlicher Hochschultypen auf den frühen beruflichen Erfolg? Eine explorative Untersuchung). *Zeitschrift für Pädagogische Psychologie*, 27 (1), 51-62.

- 2012 Kramer, J., Zettler, I., **Thoemmes, F.**, Nagy, G., & Trautwein, U. (2012). Do different types of universities constitute differential developmental milieus? A propensity score analysis of the effects of university attendance. (Stellen Hochschultypen differenzielle Entwicklungsmilieus dar? Eine Propensity-Score-Analyse zu den Effekten des Hochschulbesuchs). *Zeitschrift für Erziehungswissenschaft*, 15(4), 847-874.
- 2012 Finan, P., Tennen, H., **Thoemmes, F.**, Zautra, A., & Davis, M. (2012). Ambulatory monitoring in the genetics of psychosomatic medicine. *Psychosomatic Medicine*, 74(4), 349-355.
- 2012 Jackson, J., **Thoemmes, F.**, Jonkmann, K., Lüdtke, O., & Trautwein, U. (2012). Military training and personality trait development: Does the military make the man or does the man make the military? *Psychological Science*, 23(3), 270-277.
- 2011 **Thoemmes, F.**, & Kim, E.S. (2011). A systematic review of propensity score methods in the social sciences. *Multivariate Behavioral Research*, 46, 90-118.
- 2011 **Thoemmes, F.** (2011). Comparison of selected causality theories. (Ausgewählte Kausalitätstheorien im Vergleich.) *Das Gesundheitswesen*, 73, 880-883.
- 2011 **Thoemmes, F.**, & West, S.G. (2011). The use of propensity scores for non-randomized designs with clustered data. *Multivariate Behavioral Research*, 46, 514-543.
- 2011 Clemens, N., Shapiro, E., & **Thoemmes, F.** (2011). Improving the efficacy of first grade reading screening: An investigation of word identification fluency with other early literacy indicators. *School Psychology Quarterly*, 26(3), 231-244.
- 2011 Liew, J., Johnson, A. Y., Smith, T. R., & **Thoemmes, F.** (2011). Parental expressivity, child physiological and behavioral regulation, and child adjustment: Testing a three-path mediation model. *Early Education and Development*, 22(4), 549-573.
- 2010 West, S.G., & **Thoemmes, F.** (2010). Campbell's and Rubin's perspectives on causal Inference. *Psychological Methods*, 15(1), 18-37.
- 2010 **Thoemmes, F.**, Reiser, M.R., & MacKinnon, D.P. (2010). Power for complex mediational designs using Monte Carlo Methods. *Structural Equation Modeling*, 17(3), 510-534.
- 2010 Hughes, J., Chen, Q., **Thoemmes, F.**, & Kwok, O. (2010). An investigation of the relationship between retention in first grade and performance on high stakes tests in 3rd grade. *Educational Evaluation and Policy Analysis*, 32(2), 166-182.

- 2010 MacKinnon, D.P., Elliot, D., **Thoemmes, F.**, Kuehl, K., Moe, E., Goldberg, L., Lockhart Burrell, G., & Ranby, K. (2010). Long-term effects of a fire fighter social influence and motivational interviewing health promotion program: The PHLAME (Promoting Healthy Lifestyles: Alternative Models' Effects) Program. *American Journal of Public Health, 34*(6), 695-706.
- 2010 West, S.G., **Thoemmes, F.**, & Wu, W. (2010). Book Review: Introduction to structural equation modeling: Using SPSS and AMOS, by Niels J. Blunch. *Applied Psychological Measurement, 34*(3), 211-213.
- 2009 **Thoemmes, F.**, West, S.G., & Hill, E. (2009). Abstract: A meta-analysis of randomized and quasi-experimental drug prevention programs. *Multivariate Behavioral Research, 44* (6), 854.
- 2009 Cohen, A. B., Malka, A., Hill, E. D., **Thoemmes, F.**, Hill, P. C., & Sundie, J. M. (2009). Race as a moderator of the relationship between religiosity and political alignment. *Personality and Social Psychology Bulletin, 35*, 271-282.
- 2008 Conway, L. G., III., **Thoemmes, F.**, Allison, A. M., Hands Towgood, K., Wagner, M. J., Davey, K., Salcido, A., Stovall, A. N., Dodds, D. P., Bongard, K., & Conway, K. R. (2008). Two ways to be complex and why they matter: Implications for attitude strength and lying. *Journal of Personality and Social Psychology, 95*, 1029-1044.
- 2007 **Thoemmes, F.** & Conway, L. (2007). Integrative complexity of 41 U.S. presidents. *Political Psychology, 28*, 193-226.

OTHER PUBLICATIONS

- 2015 West, S. G., Cham, H., & **Thoemmes, F.** (2015). Propensity score analysis. In R. L. Cautin & S. O. Lilienfeld (Eds.), *Encyclopedia of clinical psychology*. New York, NY: Wiley. doi:10.1002/9781118625392.wbecp505.
- 2014 West, S.G., & **Thoemmes, F.** (2014). Campbell's and Rubin's perspectives on causal Inference. In H. T. Reis (Ed.), *Methodological Innovations in Social Psychology*. SAGE: Los Angeles.
- 2014 Mabry, L., Elliot, D.L., Kuehl, K.S., Kuehl, H., Moe, E.L., Goldberg, L., DeFrancesco, C.A., MacKinnon, D.P., Favorite, K.C., & **Thoemmes, F.** (2014). Adult health education in the workplace: The adoption, benefits, and durability of PHLAME. *Proceedings of the Ireland International Conference on Education*, Dublin, IR.

- 2013 Steiner, P. M., Kim, J.-S., & **Thoemmes, F.** (2013). Matching strategies for observational multilevel data. *JSM Proceedings*. Alexandria, VA: American Statistical Association. 5020-5032.
- 2010 Burrell, G., **Thoemmes, F.**, & MacKinnon, D.P. (2010). Graphical assessment of regression to the mean: The Galton Squeeze Plot. *SAS GLOBAL USER FORUM 2010 Proceedings*, 271.
- 2010 Braver, S., **Thoemmes, F.**, & Moser, S. (2010). Odds ratio. In N. Salkind. *Encyclopedia of research design*. Thousand Oaks: SAGE.
- 2010 Braver, S., Moser, S., & **Thoemmes, F.** (2010). Random assignment. In N. Salkind. *Encyclopedia of research design*. Thousand Oaks: SAGE.
- 2008 West, S.G., & **Thoemmes, F.** (2008). Equating Groups. In P. Alasuutari, L. Bickman, & J. Brannen. *The SAGE handbook of social research methods*. London: SAGE.

Presentations and talks

- 2024 **Thoemmes, F.** (2024, December). *Causal Mediation*. Workshop presented for GESIS, Leibniz Institute for the Social Sciences.
- 2024 Kim, J & **Thoemmes, F.** (2024, October). *Causal assumptions of the two-wave longitudinal mediation model*. Poster presented at the Society for Multivariate Experimental Psychology, SMEP.
- 2024 **Thoemmes, F.** & Mingelgrin, S. (2024, October). *Understanding missingness and bias in regression coefficients*. Talk at Society for Multivariate Experimental Psychology, SMEP.
- 2023 **Thoemmes, F.** (2023, October). *Causal Mediation*. Workshop presented for GESIS, Leibniz Institute for the Social Sciences.
- 2023 **Thoemmes, F.** (2022, October). *Teaching frequentist and Bayesian statistics together*. Talk at Society for Multivariate Experimental Psychology, SMEP.
- 2022 **Thoemmes, F.** (2022, November). *Causal Mediation*. Workshop presented for GESIS, Leibniz Institute for the Social Sciences.

2022

Thoemmes, F. (2022, October). *Missing data instruments*. Talk at Society for Multivariate Experimental Psychology, SMEP.

2022 **Thoemmes, F.** (2022, June). *Causal inference in personality psychology*. Invited senior member at DFG Netzwerktreffen (Networking meet-up of the German Research Association).

2022 **Thoemmes, F.** (2022, March). *Interpreting mediation thoughtfully*. RIOTS Club, University of Durham, UK.

- 2021 **Thoemmes, F.** (2021, November). *Estimating bias and sensitivity of front-door models*. Quantitative Psychology Colloquium, The Ohio State University.
- 2021 **Thoemmes, F.** (2021, October). *Bias in front-door models*. Annual meeting of the Society of Multivariate Experimental Psychology (SMEP).
- 2021 Ratner, K., Burrow, A. L., **Thoemmes, F.**, & Mendle, J. (2021, November). The measurement, trend, and correlates of derailment from emerging adulthood to midlife. Paper presentation. Society for the Study of Emerging Adulthood 10th Biannual Meeting, Virtual Conference.
- 2020 **Thoemmes, F.** (2020, May). *Causal Thinking and Methods in the Field of Psychology*. Invited speaker at the Causal Inference Workshop at the Center for Social and Behavioral Sciences at University of Illinois.
- 2019 **Thoemmes, F.** (2019, August). *Can we estimate the impact of methodological biases? The case for quantitative bias analysis*. Invited colloquium at Cardiff University, UK.
- 2019 **Thoemmes, F.** (2019, August). *Causal inference without randomization – the regression-discontinuity design*. Invited colloquium at Cardiff University, UK.
- 2018 **Thoemmes, F.** (2018, July). *Causal inference: identification and estimation*. Invited workshop at the Leibniz Institute for Science and Mathematics Education.
- 2017 **Thoemmes, F.** (2017, April). *Exploiting Naturally Occurring Discontinuities to Infer Causal Effects*. Symposium “Evaluating and Improving the Validity of Causal Inferences in Child Development Research” at the annual meeting of the Society for Research in Child Development, Austin, Texas.
- 2016 **Thoemmes, F.** (2016, June). *An applied introduction to propensity score methods*. Invited workshop at the University of Tübingen, Germany.
- 2016 Greifer, N., & **Thoemmes, F.** (2016, May). *Evaluating the Use of Propensity Scores with Multilevel Data*. Modern Modeling Methods Conference, Storrs, Connecticut.
- 2015 **Thoemmes, F.** (2015, October). *The new statistics*. Cornell Statistical Consulting Unit, Workshop.
- 2015 **Thoemmes, F.** (2015, April). *The new statistics*. Summer Research Institute, BCTR Cornell University, Ithaca, New York.
- 2015 **Thoemmes, F.** (2015, April). *Propensity score methods in chronic pain research*. TRIPPL webinar given to Cornell Weill Medical School.

- 2015 Moore, S., & **Thoemmes, F.** (2015, March). *What is the Biological Reality of $G \times E$ Estimates? An Assessment of Bias in Developmental $G \times E$ Models*. Poster presented at the Society for Child Development Research, Philadelphia, Pennsylvania.
- 2014 Mabry, L., Elliot, D.L., Kuehl, K.S., Kuehl, H., Moe, E.L., Goldberg, L., DeFrancesco, C.A., MacKinnon, D.P., Favorite, K.C., & **Thoemmes, F.** (2014, October). *Adult health education in the workplace: The adoption, benefits, and durability of PHLAME*. Paper presentation to the Ireland International Conference on Education, Dublin, IR.
- 2014 **Thoemmes, F.**, Liao, W., & Yamasaki, M. (2014, May). *The Markov Equivalence Class of the Mediation Model*. Modern Modeling Methods Conference, Storrs, Connecticut.
- 2014 **Thoemmes, F.**, Moore, S., & Yamasaki, M. (2014, May). *Empirical tests of directional dependence using real datasets*. Modern Modeling Methods Conference, Storrs, Connecticut.
- 2014 Moore, S., & **Thoemmes, F.** (2014, May). *Exploring Sources of Bias in Gene-Environment Interaction Models Testing Differential Susceptibility*. Poster presented at Modern Modeling Methods Conference, Storrs, Connecticut.
- 2014 **Thoemmes, F.** (2014, March). *Auxiliary Variables in Missing Data Problems: A Graphical Approach*. Statistics Seminar, Cornell University, Ithaca, New York.
- 2013 **Thoemmes, F.** (2013, June). *Some thoughts on propensity score analysis*. Summer Research Institute, BCTR Cornell University, Ithaca, New York.
- 2013 **Thoemmes, F.** (2013, May). *Recent advances in causal mediation*. (Symposium organizer with co-presenters Linda Valeri, and Judea Pearl). Modern Modeling Methods Conference, Storrs, Connecticut.
- 2013 **Thoemmes, F.** (2013, May). *Bias in Missing Data Problems due to Inclusion of Auxiliary Variables*. Modern Modeling Methods Conference, Storrs, Connecticut.
- 2013 **Thoemmes, F.**, & Liao, W. (2013, May). *Propensity Score Matching (with multilevel data) Using SPSS and R*. Modern Modeling Methods Conference, Storrs, Connecticut.
- 2013 Kim, J.-S., Steiner, P.-M., Hall, C., & **Thoemmes, F.** (2013, March). *Within-Cluster and Across-Cluster Matching with Observational Multilevel Data*. Spring Conference of the Society for Research on Educational Effectiveness, Washington D.C.

- 2012 **Thoemmes, F.** (2012, November). *Some thoughts on causal inference in developmental science*. Invited talk at Quantitative Program, University of North Carolina, Chapel Hill.
- 2012 **Thoemmes, F.** (2012, October). *Propensity score analysis in SPSS*. Invited talk at the data retreat of the Methodology Center at Penn State University, State College.
- 2012 **Thoemmes, F.** (2012, October). *Auxiliary variables for missing data problems*. Invited talk at the colloquium of the Methodology Center at Penn State University, State College.
- 2012 **Thoemmes, F.** (2012, September). *Outcome analysis for matched data*. Invited presentation at the Methods Meeting of the Department of Health and Human Services, Washington, D.C.
- 2012 Kramer, J., Zettler, I., **Thoemmes, F.**, Nagy, G., Luedtke, O., & Trautwein, U. (2012, September). *Stellen Hochschultypen differenzielle Entwicklungsmilieus dar? Eine Propensity-Score-Analyse zu den Effekten des Hochschulbesuchs (Are different University types differential learning environments? A propensity score analysis on the effects of University type)*. Paper presented at the annual meeting of the German Psychological Association, Bielefeld, Germany.
- 2012 Jonkmann, K., **Thoemmes, F.**, Luedtke, O., & Trautwein, U. (2012, September). *Persönlichkeit und Wohnform junger Erwachsener: Selektion und Sozialisation. (Personality and living arrangement of adolescent: Selection and socialization)*. Paper presented at the annual meeting of the German Psychological Association, Bielefeld, Germany.
- 2012 **Thoemmes, F.** (2012, July). *Selection of covariates for direct and indirect causal effects: A comparative view*. Invited presentation at the Jena Causal Symposium on direct and indirect causal effects, Jena, Germany.
- 2012 Steiner, P., Kim, J., & **Thoemmes, F.** (2012, July). *Matching strategies for observational multilevel data*. Presentation at the Joint Statistical Meeting, San Diego.
- 2012 **Thoemmes, F.** (2012, June). *Use of Propensity Scores with Clustered Data*. Invited talk at Abt Associates, Washington, D.C.
- 2012 **Thoemmes, F.** (2012, June). *The Use of Propensity Scores for Assessing Mediation and Moderation*. Invited discussant of organized paper forum at the annual meeting of the Society of Prevention Research, Washington, D.C.

- 2012 **Thoemmes, F.** (2012, June). *Causal Inference in Mediation Models*. Chair of organized poster forum at the annual meeting of the Society of Prevention Research, Washington, D.C.
- 2012 Mayer, A., & **Thoemmes, F.** (2012, June). *Conditional Effects in Stochastic Causal Mediation Models*. Poster presentation at annual meeting of the Society of Prevention Research, Washington, D.C.
- 2011 **Thoemmes, F.**, & Rose, N. (2011, September). *Nicht alle Hilfsvariablen für fehlende Werte sind hilfreich. (Not all auxiliary variables are helpful)*. Presentation at the bi-annual special interest group “Methoden & Evaluation” 2011, Bamberg, Germany.
- 2011 **Thoemmes, F.**, Mayer, A., & Steyer, R. (2011, September). *Vergleich von Kausalitätsbedingungen*. Symposium presentation at the bi-annual special interest group “Methoden & Evaluation” 2011, Bamberg, Germany.
- 2011 **Thoemmes, F.**, Mayer, A., & Steyer, R. (2011, June). *Causal interpretation of regression coefficients in mediation models*. Poster presentation at the 19th annual meeting of the Society for Prevention Research, Washington, D.C.
- 2010 **Thoemmes, F.** (2010, November). *Causal theories and causal models – a critical comparison of the potential outcomes frameworks and other causal models*. Keynote presentation at the DAG workshop of the German Association of Epidemiology, Berlin, Germany.
- 2010 **Thoemmes, F.** (2010, August). *Use of propensity scores with multilevel data*. Presentation at symposium at the Annual Convention of the American Psychological Association, San Diego, CA.
- 2010 Kim, E.S., & **Thoemmes, F.** (2010, August). *Use of propensity score matching in the social sciences: a meta-analysis*. Poster presentation at the Annual Convention of the American Psychological Association, San Diego, CA.
- 2010 **Thoemmes, F.**, Mayer, A., & Steyer, R. (2010, July). *Causal effects in mediation models*. Symposium at the Annual Convention of the European Association of Methodology, Society for Multivariate Analysis in the Behavioral Sciences, Potsdam, Germany.
- 2010 **Thoemmes, F.** (2010, July). *Use of propensity scores with clustered data*. Symposium Causality in Educational Research at Altes Schloß Dornburg, Jena, Germany.
- 2009 **Thoemmes, F.**, West, S.G., & Hill, E. (2009, October). *Propensity score matching in a meta-analysis comparing randomized and non-randomized studies*. Presentation given at the annual meeting of the Society of Multivariate Experimental Psychology, Lincoln City, OR.

- 2009 **Thoemmes, F., MacKinnon, D.P., Elliot, D., Kuehl, K., Goldberg, L., Defrancesco, C., Dulacki, K., McGinnis, W., & Moe, E.** (2009, August). *Latent growth models of 7 years of PHLAME follow-up data*. Poster presented at the annual meeting of the Society for Prevention Research, Washington, D.C.
- 2009 **Thoemmes, F., West, S.G., & Hill, E.** (2009, August). *Propensity score matching in a meta-analysis comparing randomized and non-randomized studies*. Poster presented at the Atlantic Causal Conference, Philadelphia, PA.
- 2009 **Thoemmes, F., MacKinnon, D.P., Elliot, D., Kuehl, K., Goldberg, L., Defrancesco, C., Dulacki, K., McGinnis, W., & Moe, E.** (2009, March). *PHLAME Long-term Effects – Results at 7 Year Follow-up*. Poster presented at the 10th Health Maintenance Consortium Grantee Meeting, Bethesda, MD.
- 2008 **Thoemmes, F. & Enders, C.** (2008, August). *Introduction to modern missing data analysis*. Invited workshop at the annual convention of the American Psychological Association, Boston, MA.
- 2008 West, S., & **Thoemmes, F.** (2008, July). *Observational studies: Towards improving design and analysis*. Focus presentation at the Symposium on Causality, Jena, Germany.
- 2008 West, S., & **Thoemmes, F.** (2008, July). *Towards minimizing bias in effect estimates in observational studies*. Presentation in invited symposium at the annual conference of the International Congress of Psychology, Berlin, Germany.
- 2008 **Thoemmes, F., West, S.G., & Hill, E.** (2008, April). *Can randomized and non-randomized studies yield the same result? A meta-analysis using propensity scores*. Poster presented at the annual conference of the Western Psychological Association, Irvine, CA.
- 2007 **Thoemmes, F., & Enders, C.** (2007, April). *A structural equation model for testing whether data are missing completely at random*. Presentation in symposium at the annual conference of the American Educational Research Association, Boston, MA.

Teaching

CORNELL UNIVERSITY

2023 - 2024	Quantitative Methods I Quantitative Methods II
2021	Quantitative Methods II Human Development Honors Seminar
2020	Introduction to Data Science for Social Scientists Quantitative Methods I
2015 - 2019	Quantitative Methods I Quantitative Methods II
2014	Quantitative Methods I Quantitative Methods II Research Methods
2013	Quantitative Methods I Quantitative Methods II Quantitative Methods III
2012	Quantitative Methods I

UNIVERSITY OF TÜBINGEN

2011	Introduction to Research Methods Introduction to Inferential Statistics Missing Data: State of the art methods
2010	Introduction to Theory and Application of Propensity Scores Psychological Diagnostics Introduction to Inferential Statistics
2009	Introduction to Theory and Application of Propensity Scores Experimental Design in Educational Research

ARIZONA STATE UNIVERSITY

2008	Structural Equation Models, Graduate teaching assistant
2007	Multivariate Statistics, Graduate teaching assistant
2006	Analysis of Variance, Graduate teaching assistant
2006	Multiple Regression, Graduate teaching assistant

INDIANA STATE UNIVERSITY

2004/05	Introduction to Statistics in Psychology
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Service

REVIEW

- 2020 - 2022 **Associate Editor**
British Journal of Mathematical and Statistical Psychology
- 2019 - **Associate Editor**
Multivariate Behavioral Research
- 2016 **Reviewer**
Research Foundation - Flanders (FWO, Belgium)
- 2013 **Action editor**
SAGE Open
- 2008–2011 **Editorial board member**
Journal of School Psychology
- 2007 **Editorial assistant**
Psychological Methods

AD-HOC REVIEW

American Journal of Cardiology
American Journal of Evaluation
Assessment
Behavior Research Methods
Behavioral and Brain Sciences
Biometrika
Educational and Psychological Measurement
Educational Studies
European Journal of Psychology of Education
Frontiers in Quantitative Psychology
Health Psychology
International Journal of Behavioral Development
Journal of Clinical Psychology
Journal of Educational and Behavioral Statistics

Journal of Educational Psychology
 Journal of Experimental Psychology
 Journal of Psychoeducational Assessment
 Journal of Research on Educational Effectiveness
 Journal of the Royal Statistical Society
 Journal of School Psychology
 Journal of Social, Evolutionary, and Cultural Psychology
 Learning and Instruction
 Multivariate Behavioral Research
 Prevention Science
 Psychological Methods
 Political Psychology
 Science
 Social Science Research
 Society and Mental Health
 SRCD Methodological Conference

EXTERNAL SERVICE

2024 SMEP Annual conference programming chair
 2023- SMEP Board of Trustees member
 2018 APA Division 5 Programming Chair for annual conference

UNIVERSITY SERVICE

2023 Committee on generative AI in higher education.
 2021 - Department chair.
 2021 - University Nominations Committee.
 2021 - Chair for all searches for Research Assistant Professors in the Center for Data Science for Enterprise and Society.
 2021 - 2023 Advisory Board Member for the Center for Data Science for Enterprise and Society.
 2020 - Board member for Cornell Statistical Consulting Unit (CSCU)

2020	Psychology Merger (Implementation) Committee
2020 - 2021	Director of Undergraduate Studies (DUS)
2019–	Space committee, Department of Human Development Cornell University
2019	Graduate admissions committee Cornell University
2019	Graduate review committee Cornell University
2019–	College committee on diversity Cornell University
2018–	Undergraduate education committee, Psychology department Cornell University
2015–	Committee on academic standing Cornell University
2015	Reviewer for ISS Small Grants Cornell University
2012 - 2015	Undergraduate Education Committee member Cornell University
2012-2019	Faculty fellow for Mary Donlon community Cornell University
2006–2008	Elected Student Science Council member for Psychological Methodology American Psychological Association
2005	Graduate student representative on the search committee Indiana State University, Psychology Department

UNIVERSITY AFFILIATIONS

Cornell University

Graduate Field Member of Statistics

Faculty affiliate Bronfenbrenner Center for Translational Research

Faculty affiliate Cornell Population Center

ADVISING

Current students

Jiwoo Kim (PhD committee chair)

Owen Morgan (PhD committee member)

Celin Goktas (PhD committee member)

Bill Xu (PhD committee member) Terry Zhang (PhD committee member, Columbia University)

Past students

Kim Hochstedtler (PhD committee member)

Natasha Barnhardt (PhD committee member)

Che Lucero (PhD committee member)

Amritpal Sing (PhD committee member)

Yue Teng (PhD committee member, Fordham University)

Roy Moyal (PhD committee member)

Fangming Cui (PhD committee member)

Bian Deng (MA committee member)

Uchita Vaid (PhD committee member, DEA)

Pablo Contreras Kallens (PhD committee member)

Jenna Landy (Honor Thesis committee chair)

Betul Urganci (PhD committee member)

Melanie Gao (Nexus scholar)

Chukwudumebi Obi (Nexus scholar)

Siyi Zhao (MA committee member)

Kaylin Ratner (PhD committee member)

Sabrina Porcelli (MA committee member)

Bryan Stone (MA committee member)

Heather Bazille (MA committee member, DEA)

Wang Liao (PhD mentor)

Chris Vdredenburgh (PhD committee member)

Carissa Kang (PhD committee member)
Yutaka Motoaki (PhD committee member)
Priscila Brust (PhD committee member)
Elizabeth DuPre (Honors Thesis committee member)
Marina Yamasaki (Undergraduate research assistant)
Tiangwang Liu (Undergraduate research assistant)

PROFESSIONAL ORGANIZATIONS

2019-	Society for Multivariate Experimental Psychology
2008–2010	American Statistical Association
2005–	Fulbright Alumni Organization
2005–2010	American Psychological Association
2005–2010	Association for Psychological Science
2005–2006	Psychological Society, Indiana State University
2004–2005	Psychology Graduate Student Organization, Indiana State University
2000–2002	Psychology Student Organization, University of Koblenz-Landau