

Felix Thoemmes

Cornell University
Ithaca, NY 14850

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DEPARTMENTAL WEBSITE: <https://www.human.cornell.edu/hd/qml/>

PERSONAL WEBSITE: <http://www.felixthoemmes.com/>

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

2017- **Associate Professor**
Cornell University
Department of Human Development
Psychology Department

2012-2017 **Assistant Professor**
Cornell University
Department of Human Development
Psychology Department

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

FUNDED

- 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-PI**, 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

ATTEMPTED

- 2013 Institute for Education Sciences (IES)
Selection and modeling of auxiliary variables in educational studies with missing data
\$450,000
Role: PI
- 2013 National Institute on Aging (R03)
Chronic Pain and Depression in Older Adults: Examining Disturbances in Daily Positive Affect as a Hidden Vulnerability
\$300,000
Role: Co-Investigator, PI: Anthony Ong
- 2013 NIH-Agency for Healthcare Research and Quality (R24)
CUNY SPH-Cornell Venture in Comparative Effectiveness Research
\$5,000,000
Role: Co-Investigator, PI: Marianne Fahs

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: 11,000 as of January, 2020.**
- 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 all versions: 57,000 as of January, 2020.**

Awards

- 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

IN PREPARATION AND REVIEW

- under review Ratner, K., Burrow, A., **Thoemmes, F.**, & Mendle, J. (under review). Invariance of the Derailment Scale-6: Testing the Measurement and Correlates of Derailment across Adulthood *Developmental Psychology*

PUBLISHED

- (in press) Rosenfeld, D., ..., **Thoemmes, F.**, et. al. (in press). Conducting Social Psychological Research in the Wake of COVID-19. *Perspectives on Psychological Science*.
- 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: Muthèn, 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.

MONOGRAPHS

- under contract **Thoemmes, F.**, & West, S.G. (monograph under contract with Taylor & Francis). *Propensity score methods for causal inference*.

Presentations and talks

- 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-S., & **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

- 2020 Introduction to Data Science for Social Scientists
- 2015 - 2018 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

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

Service

2018 APA Division 5 Programming Chair for annual conference.

REVIEW

2020 - **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
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

UNIVERSITY SERVICE

2020 - Board member for Cornell Statistical Consulting Unit (CSCU)
2020 - Psychology Merger Committee
2020 - 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

Che Lucero (PhD committee member)
Bill Xu (PhD committee member)

Past students

Kaylin Ratner (PhD committee member)
Sabrina Porcelli (MA committee member)
Bryan Stone (MA committee member)
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

Last updated: January 25, 2021