

Curriculum Vita

TYLER HICKS, PH.D.

Associate Researcher

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Department of Special Education
University of Kansas
Joseph R. Pearson Hall
1122 West Campus Rd
Lawrence, Kansas 66045

SWIFT Education Center
Life Span Institute
University of Kansas
1315 Wakarusa RD
Lawrence KS 66049

EDUCATION & TRAINING

- 2015-2017 **Post-Doctorate Researcher**, University of Kansas, Department of Special Education. Lawrence, KS.
Focus: Intervention Research for Education Systems
Adviser: Elizabeth Kozleski, Ph.D.
Co-Adviser: Wayne Sailor, Ph.D.
- Ph.D. 2015 **University of South Florida**, Tampa, Florida
Curriculum and Instruction
Double Concentration: Special Education & Measurement/Evaluation
Cognate Philosophies of Inquiry
Adviser: Jeffrey Kromrey
Co-Adviser: Phyllis Jones
Dissertation: What You Know Counts: How to Elicit Priors from Experts to Improve Quantitative Analysis with Qualitative Analysis.
- M.A.T. 2009 **University of South Florida, St. Petersburg**, St. Petersburg, Florida
Concentration: Exceptional Student Education
Double Endorsement: Literacy development, ESOL
These: The Effect of a Contract with Multiple Components on Compliance in a Middle Grades EBD Classroom
- B.A. 2006 **University of South Florida**, Tampa, Florida
Double Major: Philosophy & Religious Studies
- A.A. 2004 **St. Petersburg Junior College**, St. Petersburg, Florida
Major: General Studies

PROFESSIONAL CERTIFICATION

- 2009 - 2014 **Professional Educator's Certificate**, State of Florida, Exceptional Student Education (Grades K-12)

PROFESSIONAL EXPERIENCE

- 2018-Present **Associate Researcher**. University of Kansas, Research Design and Analysis Unit, Schiefelbusch Institute for Life Span Studies, Lawrence, KS.
- 2017-Present **Associate Researcher**. University of Kansas, SWIFT Education Center, Schiefelbusch Institute for Life Span Studies, Lawrence, KS.

- 2015-2017 **Evaluation Team Member.** University of Kansas, SWIFT Center, Schiefelbusch Institute for Life Span Studies, Lawrence, KS.
- 2013-2015 **Research Consultant,** Consulting Office for Research in Education (CORE), University of South Florida. Tampa, FL.
- 2011-2015 **Special Education Instructor,** University of South Florida, Tampa, FL.
- 2011-2015 **Measurement and Measurement Instructor,** University of South Florida, Tampa, FL.
- 2010-2015 **Field Supervisor of Special Education Teacher Candidate Interns,** University of South Florida, College of Education, Tampa, FL.
- 2009 - 2010 **Research Assistant,** Project 10: Transition Education Network, University of South Florida, St. Petersburg, FL.
- 2006 - 2009 **Special Education Teacher,** Richard L. Sanders Exceptional Student Center, Pinellas Park, FL

HONORS AND DISTINCTIONS

- 2009-2014 **Forging Adequate Special Education Reform (FASER) Doctoral Fellowship**
University of South, Florida, Tampa
- 2009-2010 **University Scholar Doctoral Fellowship** University of South, Florida, Tampa
- 2006 **Religious Studies Undergraduate Scholar of the Year,** University of South, Florida, Tampa

PUBLICATIONS

Scientific Journal Articles (5)

- Kurth, J.A., Morningstar, M.E., **Hicks, T.**, Templin, J. (in press). Exploring the relationship between school transformation and inclusion: A Bayesian multilevel longitudinal analysis. *Inclusion*.
- Hicks, T.**, Rodriguez-Campos, L., Choi, J.H. (2017). Bayesian posterior odds ratios: Statistical tools for collaborative evaluations. *Journal of American Evaluation*. Advance online publication. DOI: 10.1177/1098214017704302
- Wolgemuth, J., **Hicks, T.**, & Agosto, V (2017). Unpacking assumptions in research synthesis: A critical construct synthesis approach. *Educational Researcher*. 46(3), 131-139. DOI: 10.3102/0013189X17703946
- Wolgemuth, J., Agosto, V. Lam, Y.H., Riley, M. Jones, R., & **Hicks, T.*** (2016). Storying transition-to-work for/and youth on the autism spectrum in the United States: A critical construct synthesis of academic literature. *Disability & Society*. 31(1), 777-797. DOI: 10.1080/09687599.2016.1205474
- *I philosophically grounded the innovative methodology implemented in this research.
- Hicks, T.** & Knollman, G. (2015). Secondary analyses of National Longitudinal Transition Study-2: A statistical review. *Career Development and Transition for Exceptional Individuals*, 38(3), 182-190. DOI: 10.1177/216514341452824

Scientific Conference Proceedings (2)

Hicks, T. & Kromrey, J.D. (2016). In the pursuit of balanced groups: A SAS® macro for an adaptive randomization test. *The Proceedings of the Southeast SAS Users Group*, Bethesda, MD.

Hicks, T. & Kromrey, J.D. (2016). Mixture Priors 101: Using SAS® to obtain powerful frequentist Inferences with Bayesian Methods. *The Proceedings of the Southeast SAS Users Group*, Bethesda, MD.

Encyclopedia Entries (3)

Hicks, T. (In press). Positivism. In Frey, B. (Ed.). *The SAGE Encyclopedia of Educational Research, Measurement, and Evaluation*. Thousand Oaks, CA: Sage.

Hicks, T. (In press). Post-Positivism. In Frey, B. (Ed.). *The SAGE Encyclopedia of Educational Research, Measurement, and Evaluation*. Thousand Oaks, CA: Sage.

Hicks, T. (In press). Maximum Likelihood Estimation. In Frey, B. (Ed.). *The SAGE Encyclopedia of Educational Research, Measurement, and Evaluation*. Thousand Oaks, CA: Sage.

Chapters in Edited Books (2)

Hicks, T., & Ferron, J. (2015). Quantitative research strategies. In S. Permut & R. D. Mawdsley (Eds.) *Research methods for studying legal issues in education*. Dayton, OH: Education Law Association.

Guerere, G. & **Hicks, T** (2015). Collaborative evaluation in the private sector. Information Age Publishing. In Thoma, C.A. & Tamura, R., *Models of Collaborative Evaluation*. Charlotte, NC: Information Age Publishing.

Works under Review (5)

Hicks, T., McCart, A., Choi, J.H., & Sailor, W. (Under Review). Exploring the relationship between MTSS and inclusion: Fixed effects modeling with Bayesian analysis. *Exceptional Children*.

Hicks, T. & Templin, J. (Accepted with Revision). Obtaining Bayesian analogs to REML variance components for mixed models with PROC MCMC. *The Proceedings of the Southeast SAS Users Group*, Cary, NC.

Hicks, T., Kim, E.S., Joo, S.J, Choi, J.H., & Kromrey, J. (Under Review). Convenience mixed priors for an effect: A Bayesian solution for small sample analysis. *Methodological Innovations*.

Hicks, T., Rodriguez-Campos, L., Choi, J.H. (Under Review). Mixed Priors: Statistical tools for collaborative evaluations. *International Journal of Assessment and Evaluation*.

Choi, J.H. McCart, A., **Hicks, T.**, & Sailor, W. (Under Review). How school administrative leadership affects MTSS improvement: The mediation effects of school leadership. *Leadership and Policy in Schools*.

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| GRANT PROPOSALS |
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Date: 2017
 Agency: Institute of Education Science
 Title: Exploring MTSS in the context of school transformation
 Role: Co-Principal Investigator
 Status: Resubmission (Outcome: Pending)

Date: 2017
 Agency: Institute of Education Science
 Title: Project *DataWall*: A Decision System for Integrated MTSS
 My Role: Co-Investigator
 Status: New Submission (Outcome: Pending)

Date: 2017
 Agency: Institute of Education Science
 Title: An Adaptive Decision Support Framework for MTSS Implementation
 Role: Co-Principal Investigator
 Status: New Submission (Outcome: Pending)

Date: 2017
 Agency: Institute of Education Science
 Title: Rural Education and Research Center for MTSS Capacity and Implementation
 Role: Research Methodologist (Key Personnel)
 Status: New Submission (Outcome: Pending)

Date: 2017
 Agency: Spencer Foundation
 Title: Supporting Equity Focused Inclusive School Transformation through Cultural Leadership
 Role: Co-Investigator
 Status: New Submission (Outcome: Pending)

Date: 2017
 Agency: U.S. Department of Education, Office of Special Education Programs
 Title: University of Kansas Leadership Program in Inclusive Education (Working title)
 Role: Project Evaluator
 Status: Under Construction

Date: 2016
 Agency: National Science Foundation
 Title: Enhancing Entrepreneurial Capacities and Engagement in STEM
 My Role: Research Methodologist
 Status: New Submission (Outcome: Not Funded)

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| PRESENTATIONS |
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National Presentations

2018 April **Hicks. T.,** McCart, A., Choi, J.H & Sailor, W. *Exploring the Relationship between MTSS and Inclusion: Bayesian Fixed Effects Analysis.* Paper Accepted for Presentation at the American Educational Research Association, New York, NY.

- 2018 February **Hicks, T.**, Choi, J.H., McCart, A., & Sailor, W. *Multi-Tiered System of Support: A Framework for Empowering Students with Disabilities to Engage in School Activities with Peers*. Paper Accepted for Presentation at the Council of Exceptional Children, Tampa, FL.
- Choi, J.H., **Hicks, T.**, & McCart, A. *Relation Between Implementation of Schoolwide Integrated Framework for Transformation (SWIFT) and Student Outcomes*. Paper Accepted for Presentation at the Council of Exceptional Children, Tampa, FL.
- 2017, November **Hicks, T.** & Rodriguez-Campos, L. *Bayesian Posterior Odds Ratio: Statistical Tools for Collaborative Evaluations*. Paper Presented at the American Evaluation Association Conference, Washington, DC.
- 2017, May **Hicks, T.**, Travers, J., & Bross. *Bayesian Testing in SCD Research: A Forward Paradigm Shift*. Paper presented at the Modern Modeling Methods Conference, University of Connecticut, CT.
- Hicks, T.**, Kim, E.S., J., Joo, S.H., Choi, J.H., Ferron, J. & Kromrey, J.D. *Design-Comparable Effect Sizes: A Bayesian Approach to SCD Research*. Paper presented at the Modern Modeling Methods Conference, University of Connecticut, CT.
- 2017, April **Hicks, T.**, Choi, J.H. *A SWIFT Way to Build a MTSS*. Poster Presentation at Council of Exceptional Children, Boston, MA.
- 2017, February **Hicks, T.** *Research into Inclusion as Evidence-Based practice*. Paper Presentation at FIRE Conference, Kansas City, MO.
- 2016, October **Hicks, T.**, Rodriguez-Campos, L., Choi, J.H. *Bayesian Posterior Odds Ratios: Statistical Tools for Collaborative Evaluations*. Roundtable Discussion at American Evaluation Association, Atlanta, GA.
- Hicks, T.** & Kromrey, J.D. *In the Pursuit of Balanced Groups: A SAS® Macro for an Adaptive Randomization Test*. Paper presented at Southeastern SAS Users Group, Bethesda, MD.
- Hicks, T.** & Kromrey, J.D. *In the Pursuit of Balanced Groups: A SAS® Macro for an Adaptive Randomization Test*. Paper presented at Southeastern SAS Users Group, Bethesda, MD.
- 2016, May **Hicks, T.** & Kromrey, J.D. *In the Pursuit of Group Balance on a Known Covariate in a Small-Scale Experiment: A Monte Carlo Study of the Efficacy of Standard Approaches*. Paper presented at the Modern Modeling Methods Conference, University of Connecticut, CT.
- 2016, April Wolgemuth, J., **Hicks, T.**, & Agosto, V. *What's assumed in 'What Works: A critical construct synthesis approach*. Paper presented at the American Educational Research Association, Washington, DC.

- 2015, April **Hicks T**, Kim, E.S., MacDonald, G., Kromrey, J. Romano, J., Holmes, H., & Archer. S. *Testing Applications of Bayesian Statistics with Convenience Priors in Multilevel Analysis of Small Data Sets with Complex Structures: A Monte Carlo Study*. Paper presented at American Educational Research Association, Chicago, IL.
- 2015, February Holmes, H., Rodriguez de Gil, P., Li, I., Bellara, A., Chen Y, **Hicks, T.** & Kim, E.S. *Testing the Homogeneity of Variance Assumption in One- Factor ANOVA Models: A Plethora of Approaches to Consider*. Paper presented at the ASA Conference on Statistical Practice (CSP), New Orleans, LA.
- 2014, May **Hicks, T.**, MacDonald, G. Komrey, J. Kim, E.S., Romano, J. and Archer, S. *Testing Applications of Bayesian Statistics with Convenience Priors in Multilevel Analysis of Small Data Sets with Complex Structures: A Monte Carlo Study*. Paper Presentation at the Modern Modeling Methods Conference, Storrs CT.
- Holmes, H., Rodriguez de Gil, Li, I., Bellara, A. Chen, Y., **Hicks, T.** & Kim, E.S. *Testing the Homogeneity of Variance Assumption: An Investigation of the Performance of Ten Different Approaches in One-Factor ANOVA Models*. Paper Presentation at the Modern Modeling Methods Conference, Storrs CT.
- 2013, March **Hicks, T.** Kromrey, J. Kim, E.S., Bellara, A., Lanehart, R., Rodriguez de Gil, P. & Reginald, L. *How to use Propensity Scores to Strengthen Estimates of Treatment Effects: A guided Tour of the Propensity Score Landscape for Real-World analysts*, Poster Presentation at the annual Conference on statistical Practice, New Orleans, LA.
- 2011, November Rademaker, S., **Hicks, T**, Walker, C. and Bombly, S. *Peacemakers: Finding balance between quantitative and qualitative research in Collaborative Evaluations*, Paper presentation at the annual meeting of the American Evaluation Association, Oakville, CA
- 2011, March Knollman, G, Rademaker, S., Cranston, A. and **Hicks, T.** *Ethical and Moral Considerations for the Inclusion of People with Disabilities*, Round Table Discussion at the annual meeting of the American Educational Research Association, New Orleans, LA

Regional Presentations

- 2010, April Knollman, G & **Hicks, T.** (Presenters). *Rights of Individuals with Disabilities*, Emerging Paradigms: An Interdisciplinary Perspective Conference. Tampa, FL.
- 2010, March **Hicks, T.** & Knollman, G. (Panel Discussion). *Ethical and Moral Considerations for the Inclusion of People with Disabilities*, 2010 Southeastern Conference of Religious Studies (SECORS). Atlanta, GA

THESIS COMMITTEES

- 2013 Honors Thesis Advisor, Ashley Desmond, *Teacher Perceptions of Successful Instruction and Management Strategies for Inclusion of Students with Emotional Behavioral Disorders: A Case Study*. University of South Florida, FL.

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| COURSES TAUGHT |
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Undergraduate Level

- EDF 4430 **Measurement for Teachers**
Introduction to the essentials of measurement for teachers
- EEX 4742 **Narrative Perspectives on Exceptionality: Cultural and Ethical Issues**
Understanding disability using narrative epistemology
- EEX 4240 **Exceptional Student Education CoreCompetencies**
Integrated block of instruction for Special Education majors lasting multiple semesters and co-taught by multiple instructors. Topics included Behavior Analysis, Curriculum-Based Measures, and Direct Instruction.

Masters Level

- EDF 6432 **Foundations of Measurement**
Intermediate introduction to measurement content for teachers
Co-taught with Jeanine Romano

Doctoral Level

- EDF 6407 **Statistical Analysis in Educational Research I**
Descriptive statistics and univariate inferential statistics
Co-taught with Jeffery Kromrey
- EDF 6408 **Statistical Analysis in Educational Research II**
Multivariate inferential statistics, including regression and ANOVA
Co-taught with Jeffrey Kromrey
- EDF 6409 **Statistical Analysis in Educational Research III**
MANOVA, Multilevel Modeling, and Structural Equation Modeling
Co-taught with John Ferron
- EDF 7474 **Applied Multilevel Modeling in Education**
Special topics course in educational statistics
Co-taught with Eun Sook Kim
- EDF 7477 **Design of Systematic Studies in Education**
Essentials of research design, both qualitative and quantitative
Co-taught with Jennifer Wolgemuth
- EEX 7743 **Philosophies of Inquiry**
A college-wide required seminar I co-taught on multiple occasions.
Co-taught with William Black
Co-taught with Phyllis Jones
Co-taught with Kofi Marfo
Co-taught with Allen Feldman
- SPED 998 **Special Education Policy and Politics**
Doctoral seminar on critical disability policy analysis
Co-taught with Tom Skrtic

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| SPED 852 | Citizens with Disabilities, Public Policy, and Policy Analysis <i>Doctoral seminar on critical disability policy analysis</i> Co-taught with Tom Skrtic |
| SPED 936 | Cross-Specialization Seminar I: Conceptual Issues in Special Education <i>Doctoral seminar on disciplinary paradigms</i> To be co-taught with Tom Skrtic and Jamie Basham |
| SPED 937 | Cross-Specialization Seminar II: Methodological Issues in Special Education <i>Doctoral seminar on research paradigms</i> Co-taught with Tom Skrtic |

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| SERVICE |
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Consulting Editor

2016-Present Career Development and Transition for Exceptional Individuals

Journal Reviewer

2017-Present Remedial and Special Education

2016-Present Inclusion

2015-Present International Journal of Whole Schooling

2015-Present Educational Policy

University Committee

2012-2013 The USF Classroom Capture Team

College Committees

2011-present USF Chapter of Social Context of Education (Division G),
American Education Research Association (AERA)

2011-2013 Philosophy of Inquiries Advanced Doctoral
Seminar Development Committee

2009-present USF College of Education Leadership Studies

Department Committees

2015-present Policy & System Studies Specialization Committee (KU)

2010-2012 Teacher Education Committee (USF)

2010-2011 Online Course Conversion Committee for Masters Course (USF)

Professional Development

2017 **Institute of Education Science**
Summer Training Institute in Single-Case Design Research

Invited Lecturer

- 2016 **The Bayesian Approach to Data Analysis**
Invited to present a tutorial workshop for researchers, sponsored by the Beach Center on Disability at the University of Kansas.
- 2015 **The Collaborative Bayesian Approach: A Tool for Program Evaluators**
Invited to present a tutorial workshop for evaluators, sponsored by the Center for Research, Evaluation, Assessment, and Measurement (CREAM) at the University of South Florida.
- 2014 **An Overview of Bayesian Statistical Concepts for Education Researchers**
Invited to lecture advanced graduate students in a seminar on Structural Equation Modeling at the University of South Florida.
- 2014 **Three Prominent Ethical Theories**
Invited to lecture undergraduate students in an honor's seminar on medical ethics at the University of South Florida.
- 2012 **From Students to Professionals: How Two Doctoral Students' Journeys Sparked a Profitable Business**
Invited to present at tutorial workshop for evaluators, sponsored by the Center for Research, Evaluation, Assessment, and Measurement (CREAM) at the University of South Florida
- 2011 **A Historical Overview of Logical Positivism in Education Research**
Invited to deliver a lecture on logical positivism to advanced graduate students in the philosophies of inquiry seminar at the University of South Florida
- 2011 **An Overview of Collaborative Evaluation**
Invited to deliver a presentation on collaborative evaluation to a doctorate level course at the University of South Florida

Evaluations (3)

Rademaker, S. & Hicks, T. (2012, May). *Evaluation Report: USF 2012 Classroom Capture Pilot*. Special Education Department, University of South Florida. Tampa, FL.

Rodriguez, L. Walker, C. & Hicks, T. (2011, August). *Evaluation Report: Reading Workshops for Students Identified as Gifted from Underrepresented Ethnic Groups*. Center of Research, Evaluation, Assessment, and Measurement, University of South Florida. Tampa, FL.

Rademaker, S. & Hicks, T. (2011, August). *Evaluation Report: Tutor-a-Bull*. Center of Research, Evaluation, and Measurement, University of South Florida. Tampa, FL.

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| Professional Organizations |
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Memberships

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| 2009-present | American Educational Research Association (AERA) |
| 2012-present | American Evaluation Association (AEA) |
| 2012-present | American Statistical Association (ASA) |
| 2016-present | Council for Exceptional Children (CEC) |