

## Curriculum Vita

**TYLER HICKS, PH.D.**  
Associate Researcher  
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University of Kansas  
Research Design and Analysis Unit | Life Span Institute  
1000 Sunnyside Avenue  
Lawrence, KS 66045

### EDUCATION & TRAINING

- 2018-2019      **Post-Doctoral Fellowship Studies in Statistical Analysis**, University of Kansas  
Adviser: Lesa Hoffman, Ph.D.  
Co-Adviser: Karrie Shogren, Ph.D.
- 2016-2017      **Post-Doctorate Fellowship Studies in Special Education**, University of Kansas  
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  
Advisor: Jeffrey Kromrey  
Co-Advisor: 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  
Thesis: The Effect of a Contract with Multiple Components on Compliance in a Middle Grades Emotional and Behavior Disability 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	<b>Associate Researcher.</b> University of Kansas, Research Design and Analysis Unit, Schiefelbusch Institute for Life Span Studies, Lawrence, KS.
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2017-2018	<b>Associate Researcher.</b> University of Kansas, SWIFT Education Center, Schiefelbusch Institute for Life Span Studies, Lawrence, KS.
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2013-2015	<b>Research Consultant</b> , Consulting Office for Research in Education (CORE), University of South Florida. Tampa, FL.
2010-2015	<b>Instructor of Record</b> , University of South Florida, Tampa, FL. Special Education Undergraduate Coursework Measurement and Evaluation Undergraduate Coursework Field Supervisor of Special Education Teaching Interns
2009 - 2010	<b>Graduate Research Assistant</b> , Project 10: Transition Education Network, University of South Florida, St. Petersburg, FL.
2006 - 2009	<b>Special Education Teacher</b> , Richard L. Sanders Exceptional Student Center, Pinellas Park, FL
	<b>HONORS AND DISTINCTIONS</b>
2009-2014	<b>Forging Adequate Special Education Reform Doctoral Fellowship</b> University of South, Florida, Tampa
2009-2010	<b>University Scholar Doctoral Fellowship</b> University of South, Florida, Tampa
2006	<b>Religious Studies Undergraduate Scholar of the Year</b> , University of South, Florida, Tampa

## PUBLICATIONS

### **Scientific Journal Articles (8)**

- Lane, K.L., Oakes, W.P., Royer, D.J, Cantwell, E.D., Menzies, H.M., **Hicks, T.**, & Lane, N. (in press). Using the Schoolwide Expectation Survey for Specific Settings to Building Expectation Matrices. *Journal of Remedial and Special Education*.
- Lane, K.L., Oakes, W.P., Common, E.A., Brunsting, N., Zorigian, K., **Hicks, T.**, & Lane, N. (in press). A Comparison between SRSS-IE and BASC-2 BESS Scores at the Middle School Level. *Journal of Emotional and Behavioral Disorders*.
- Choi, J.H. McCart, A., **Hicks, T.**, & Sailor, W. (in press). How school administrative leadership affects MTSS improvement: The mediation effects of school leadership. *Journal of Special Education*.
- Kurth, J.A., Morningstar, M.E., **Hicks, T.**, Templin, J. (2018). 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

**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 (3)**

**Hicks, T.** (2018). A flexible approach to computing Bayes' Factors with PROC MCMC. *The Proceedings of the Southeast SAS Users Group*, Saint Petersburg, FL.

**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. (2018). Positivism. In Frey, B. (Ed.). *The SAGE Encyclopedia of Educational Research, Measurement, and Evaluation*. Thousand Oaks, CA: Sage.

Hicks, T. (2018). Post-Positivism. In Frey, B. (Ed.). *The SAGE Encyclopedia of Educational Research, Measurement, and Evaluation*. Thousand Oaks, CA: Sage.

Hicks, T. (2018). 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.

## PRESENTATIONS

### **National Presentations (19)**

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| 2018 May   | <b>Hicks. T.</b> , Templin, J., & Hoffman, L. <i>Towards Bayesian Small Sample variance Components: A Gentle Introduction for the New Comer</i> . Paper presented at the Modern Modeling Methods Conference, University of Connecticut, CT. |
| 2018 April | <b>Hicks. T.</b> , McCart, A., Choi, J.H & Sailor, W. <i>Exploring the Relationship between MTSS and Inclusion: Bayesian Fixed Effects Analysis</i> . Presented 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 Presented 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.
- 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 (5)**

- 2018 October      **Hicks. T.** *A Flexible Approach to Computing Bayes' Factors with PROC MCMC*. Paper presented at the Southeastern SAS Users Group Conference, Saint Petersburg, FL.
- 2016 October      **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.
- 2010, April      Knollman, G & **Hicks, T.** (Presentors). *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

<b>THESIS COMMITTEES</b>
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2013	Honors Thesis Advisor, Ashley Desmond, <i>Teacher Perceptions of Successful Instruction and Management Strategies for Inclusion of Students with Emotional Behavioral Disorders: A Case Study.</i> University of South Florida, FL.
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<b>COURSES TAUGHT</b>
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**Undergraduate Level**

EDF 4430	<b>Measurement for Teachers</b> <i>Introduction to the essentials of measurement for teachers</i>
EEX 4742	<b>Narrative Perspectives on Exceptionality: Cultural and Ethical Issues</b> <i>Understanding disability using narrative epistemology</i>
EEX 4240	<b>Exceptional Student Education Core Competencies</b> <i>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.</i>

**Masters Level**

EDF 6432	<b>Foundations of Measurement</b> <i>Intermediate introduction to measurement content for teachers</i> Co-taught with Jeanine Romano
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**Doctoral Level**

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

SPED 998	<b>Special Education Policy and Politics</b> <i>Doctoral seminar on critical disability policy analysis</i> Co-taught with Tom Skrtic
SPED 852	<b>Citizens with Disabilities, Public Policy, and Policy Analysis</b> <i>Doctoral seminar on critical disability policy analysis</i> Co-taught with Tom Skrtic
SPED 936	<b>Cross-Specialization Seminar I: Conceptual Issues in Special Education</b> <i>Doctoral seminar on disciplinary paradigms</i> To be co-taught with Tom Skrtic and Jamie Basham
SPED 937	<b>Cross-Specialization Seminar II: Methodological Issues in Special Education</b> <i>Doctoral seminar on research paradigms</i> Co-taught with Tom Skrtic

<b>SERVICE</b>
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**Consulting Editor**

2016-Present      Career Development and Transition for Exceptional Individuals

**Journal Reviewer**

2018-Present      Education Policy Analysis Archives

2017-Present      Remedial and Special Education

2016-Present      Inclusion

2016-Present      Career Development and Transition for Exceptional Individuals

2015-Present      International Journal of Whole Schooling

2015-Present      Educational Policy

**University Committee**

2012-2013      The USF Classroom Capture Team

**College Committees**

2011-2015      Chapter of Social Context of Education (Division G),  
American Education Research Association (USF)

2011-2013      Advanced Doctoral Seminar Development Committee (USF)

2009-2015      College of Education Leadership Studies (USF)

**Department Committees**

2015-present      Policy & System Specialization Committee (KU)

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 (7)**

- 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 a workshop, sponsored by the Center for Research, Evaluation, Assessment, and Measurement (CREAM) at 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.

## **Professional Organizations**

### **Memberships**

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