

Steven J. Foti

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research interests

statistics education
statistical literacy
assessment
community outreach

education

2017	Ph.D. Statistics Education Minor in Research Evaluation & Methodology Advisor: Tim Jacobbe	University of Florida,
2013	Master of Statistics	University of Florida
2011	Bachelor of Science Applied Mathematics and Statistics Physics	Clarkson University, NY

professional experience

2017-Present	Clinical Assistant Professor Director of Online MS Program Department of Biostatistics College of Medicine College of Public Health & Health Professions University of Florida	Gainesville, FL
2014-2017	Graduate School Fellow University of Florida School of Teaching and Learning	Gainesville, FL
2013-2014	Research Assistant LOCUS Project—NSF DRL-1118168 University of Florida School of Teaching and Learning	Gainesville, FL
2011-2013	Graduate Teaching Assistant University of Florida Department of Statistics	Gainesville, FL
2010-2011	IMPETUS Fellow Clarkson University Department of Physics	Potsdam, NY
2010-2011	Undergraduate Teaching Assistant Clarkson University Department of Mathematics	Potsdam, NY

publications

Jacobbe, T., delMas, R., Haberstroh, J., Case, C., **Foti, S.**, Whitaker D., & Hartlaub, B. (under review). Establishing the Validity and Reliability of the LOCUS Assessments.

Whitaker, D., **Foti, S.**, & Jacobbe, T. (2015). The Levels of Conceptual Understanding in Statistics (LOCUS) Project: Results of the Pilot Study. *Numeracy*, 8(2), Article 3.

Foti, S., & Jacobbe, T. (2015). Lessons from the LOCUS Assessments (Part 3): Boxplots. *The Statistics Teacher Network*, 85, p.2-5.

Jacobbe, T., **Foti, S.**, & Whitaker, D. (2014). Middle school (ages 10–13) students' understanding of statistics. In *Proceedings of the Ninth International Conference on Teaching Statistics, July 2014*. Voorburg, The Netherlands: International Statistical Institute. Retrieved from icots.net.

Jacobbe, T., **Foti, S.**, Case, C., & Whitaker, D. (2014). High school (ages 14 – 18) students' understanding of statistics. In *Proceedings of the Ninth International Conference on Teaching Statistics, July 2014*. Voorburg, The Netherlands: International Statistical Institute. Retrieved from icots.net.

Whitaker, D., **Foti, S.**, & Jacobbe, T. (2014). Investigation of AP statistics students' understanding of technical terminology with possible lexical ambiguities [Abstract]. In *Proceedings of the Ninth International Conference on Teaching Statistics, July 2014*. Voorburg, The Netherlands: International Statistical Institute. Retrieved from icots.net.

Jacobbe, T., Whitaker, D., Case, C., & **Foti, S.** (2014). The LOCUS assessment at the college level: conceptual understanding in introductory statistics. In *Proceedings of the Ninth International Conference on Teaching Statistics, July 2014*. Voorburg, The Netherlands: International Statistical Institute. Retrieved from icots.net.

Jacobbe, T., Case, C., Whitaker, D., & **Foti, S.** (2014). Establishing the validity of the LOCUS assessments through an evidenced-centered design approach. In *Proceedings of the Ninth International Conference on Teaching Statistics, July 2014*. Voorburg, The Netherlands: International Statistical Institute. Retrieved from icots.net.

Raja, S., Laing, J., **Foti, S.**, Ferro, A.R., Hopke, P.K., Wetzel L.E., & Gressani, C. (2011). Improving indoor air quality and asthmatic children's health using a window-mounted ventilation/filtration unit. In *Proceedings of the 12th International Conference on Indoor Air Quality and Climate, June 2011*.

presentations

Jacobbe, T., & **Foti, S.** (2016, April). LOCUS: A Formative Assessment and Professional Development Tool for Statistics. Presented at the National Council of Teachers of Mathematics Regional Conference (NCTM), San Francisco, CA.

Jacobbe, T., Whitaker, D., delMas, R., Case, C., Haberstroh, J., **Foti, S.** & Hartlaub, B. (2015, May). Establishing the Validity and Reliability of Assessments of Statistical Understanding. Poster presented at the United States Conference on Teaching Statistics (USCOTS), State College, PA.

Case, C., **Foti, S.**, Whitaker, D., & Jacobbe, T. (2015, February). LOCUS: Assessing students' and teachers' knowledge of statistics. Research Council on Mathematics Learning Annual Conference, Las Vegas, NV.

Foti, S., & Jacobbe, T. (2014, November). LOCUS: A tool for assessing statistical reasoning in CCSSM. Presented at the National Council of Teachers of Mathematics Regional Conference (NCTM), Richmond, VA.

Foti, S., Case, C., Whitaker, D., & Jacobbe, T. (2014, November). The impact of collaborative teaching for graduate students. Presented at School Science and Mathematics Association Annual Convention (SSMA), Jacksonville, FL.

Whitaker, D., **Foti, S.**, Case, C., & Jacobbe, T. (2014, November). LOCUS assessments: Implications for and uses in research and teaching. Presented at School Science and Mathematics Association Annual Convention (SSMA), Jacksonville, FL.

Foti, S., Whitaker, D., & Case, C. (2014, October). The impact of collaborative teaching for graduate students. Poster presented at I-cubed 2014 Graduate Student Research Day, Gainesville, FL.

Foti, S., Whitaker, D., & Jacobbe, T. (2014, July). Middle school (ages 10 – 13) students' understanding of statistics. Paper presented at the Ninth International Conference on Teaching Statistics (ICOTS), Flagstaff, AZ.

Whitaker, D., **Foti, S.**, & Jacobbe, T. (2014, July). Investigation of AP statistics students' understanding of technical terminology with possible lexical ambiguities. Poster presented at the Ninth International Conference on Teaching Statistics (ICOTS), Flagstaff, AZ.

Jacobbe, T., Whitaker, D., **Foti, S.**, & Case, C. (2014, July). Establishing the validity of the LOCUS assessments through an evidenced-centered design approach. Paper presented at the Ninth International Conference on Teaching Statistics (ICOTS), Flagstaff, AZ.

Whitaker, D., Jacobbe, T., **Foti, S.**, & Case, C. (2014, July). The LOCUS assessment at the college level: conceptual understanding in introductory statistics. Paper presented at the Ninth International Conference on Teaching Statistics (ICOTS), Flagstaff, AZ.

Case, C., Whitaker, D., Jacobbe, T., & **Foti, S.** (2014, July). High school (ages 14 – 18) students' understanding of statistics. Paper presented at the Ninth International Conference on Teaching Statistics (ICOTS), Flagstaff, AZ.

Case, C., Whitaker, D., Jacobbe, T., & **Foti, S.** (2014, May). LOCUS as a tool to measure teachers' preparation to teach statistics. Electronic Conference of Teaching Statistics (eCOTS).

Foti, S., Legler, C., Ridgewell, N.M., & Shan, M. (2014, April) "Who Cares? Effective Instructors Do!" The 10th Annual SAGE Research Symposium, Gainesville, FL.

Jacobbe, T., Whitaker, D., Case, C., & **Foti, S.** (2014, April). LOCUS: A Tool for Assessing Statistical Reasoning in the CCSS. Presented at National Council of Teachers of Mathematics Annual Conference (NCTM), New Orleans, LA.

Jacobbe, T., delMas, R. C., Haberstroh, J., Hartlaub, B., Whitaker, D., Case, C., & **Foti, S.** (2014, April). A Measure of Students' Understanding of Statistics. Poster presented at the American Educational Research Association Annual Meeting (AERA), Philadelphia, PA.

Jacobbe, T., Haberstroh, J., delMas, R. C., Hartlaub, B., Whitaker, D., Case, C., & **Foti, S.** (2014, April). Establishing the Content Validity of the LOCUS Assessments Through Evidence-Centered Design. Paper presented at the American Educational Research Association Annual Meeting (AERA), Philadelphia, PA.

course assignments

Fall 2017	PHC6937: Statistical Literacy PHC4094: Intro to Biostatistics for Health Science and Public Health University of Florida
Fall 2016	MAE4310 Teaching Mathematics in the Inclusive Elementary Classroom University of Florida
Fall 2015	MAE4310 Teaching Mathematics in the Inclusive Elementary Classroom University of Florida
2013/2014	Advanced Placement (AP) Statistics P.K. Yonge Developmental Research School (Gainesville, FL)
2011-2013	Teaching Assistant: STA2023 Introductory Statistics University of Florida
2010/2011	Teaching Assistant: STAT282 General Statistics Clarkson University
Spring 2010	Teaching Assistant: MA231 Calculus III Clarkson University

awards

2014-2017	Graduate School Fellowship University of Florida	University of Florida
2014	I-cubed Graduate Student Mentoring Award with Catherine Case and Douglas Whitaker	University of Florida
2011	Undergraduate Bio-Mathematics Summer REU Program National Science Foundation	Clarkson University
2010	Elected officer of Pi Mu Epsilon U.S. honorary national mathematics society	Clarkson University
2010-2011	IMPETUS Fellow New York State Education Department	Clarkson University
2010-2011	STEM Partnership Research Fellow New York State Education Department	Clarkson University

grants

2015	A Community Statistics Fair (\$2500)	ASA Member Initiative
2014	Mathematics Education Program Travel Grant (\$850)	University of Florida
2014	School of Teaching and Learning Travel Grant (\$450)	University of Florida

service

Coordinator, 4-Week STEAM Club on Statistical Posters at P.K. Yonge (Grades 2-3)

Reviewer, 43rd Annual Conference of the Research Council on Mathematics Learning (RCML)

Participant, Grant meeting with NSF on behalf of ASA

Participant, ASA-NCTM Joint Committee Meeting

Volunteer, ASA Booth at NCTM

Judge, American Statistical Association K-12 Poster Competition

Reviewer, Ninth International Conference on Teaching Statistics (ICOTS)

Volunteer, Booth Coordinator at Clarkson University Pi Day Event

Volunteer, Event Host at Regional Science Olympiad (Clarkson University)

Camp Mentor, Clarkson University IMPETUS Roller Coaster Camp

memberships

2016-Present **Research Council for Mathematics Learning (RCML)**

2014-Present **Association of Mathematics Teacher Educators (AMTE)**

2014-Present **National Council of Teachers of Mathematics (NCTM)**

2014-Present **American Educational Research Association (AERA)**

2013-Present **American Statistical Association (ASA)**

2009-Present **Society for Industrial and Applied Mathematics (SIAM)**