

Steven J. Foti

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College of Public Health & Health Professions
College of Medicine
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contact

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research interests

statistics education
statistical literacy
assessment
community outreach

education

2017	Ph.D. Statistics Education Minor in Research Evaluation & Methodology	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 Graduate Studies (8/21) 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

Zori, G., **Foti, S.**, & Hart, M. (2022). County-Level School Sex Education Policy: A Single State Analysis of the Association with Adolescent Birth and Sexually Transmitted Infections, *American Journal of Sexuality Education*, DOI: [10.1080/15546128.2022.2091697](https://doi.org/10.1080/15546128.2022.2091697)

Wood, E. A., Collins, S. L., Hechavarria, M., **Foti, S.**, & Hack, G. (2022). The shortfalls of online learning catalyzed by COVID-19: Pre-health students' perspective. *Pedagogical Research*, 7(3), em0128.

<https://doi.org/10.29333/pr/12095>

Foti, S., Le, L. (2020). Icebreakers! (not the gum). *Statistics Teaching and Learning Corner* (<https://stattlc.com/>).

Foti, S., Le, L., Loy, A. (2020). Online Strategies due to COVID-19, Part 2. *Statistics Teaching and Learning Corner* (<https://stattlc.com/>).

Foti, S., Le, L., Loy, A., Whitaker, D. Ziegler, L. (2019). Get the p outta here! Discussing the USCOTS 2019 significance sessions. *Statistics Teaching and Learning Corner* (<https://stattlc.com/>).

Foti, S. (2018). Academic twitter – statistics education. *Amstat News*, 492, 35.

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

Foti, S. (2022, June). Constructing a modern data visualization course: Topics, reflections, and feedback. Presented at the International Chinese Statistics Association (ICSA) Applied Statistical Symposium, Gainesville, FL.

Foti, S. (2021, July). Addressing diversity, equity, and inclusion in a methods course. Asynchronous “beyond” session presented at United States Conference on Teaching Statistics (USCOTS), virtual.

Foti, S., Le, L., Loy, A., Whitaker, D., & Ziegler, L. (2021, June). Lessons for the future from a year of COVID teaching. Special session presented at Symposium on Data Science and Statistics, virtual.

Foti, S., & Le, L. (2020, July). Addressing the “p-value controversy” in the classroom. Birds of a Feather discussion led at the Joint Statistical Meetings, virtual.

Foti, S. (2019, May). Use of r markdown in a graduate biostatistics classroom. Poster presented at the United States Conference on Teaching Statistics (USCOTS), State College, PA.

Foti, S., & Le, L. (2019, May). New blog: Statistics teaching and learning corner (Stat TLC). Birds of a Feather discussion led at the United States Conference on Teaching Statistics (USCOTS), State College, PA.

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.

teaching

- Su. 2022 **PHC6905 Independent Study (1c)**
University of Florida
- Sp. 2022 **PHC6051 Biostatistical Methods II**
PHC6791 Data Visualization in the Health Sciences
University of Florida
- Fa. 2021 **PHC6075 Biostatistical Literacy**
PHC6050c Biostatistical Methods I
University of Florida
- Sp. 2021 **PHC6051 Biostatistical Methods II**
PHC6937 Data Visualization in the Health Sciences
University of Florida
- Fa. 2020 **PHC6075 Biostatistical Literacy**
PHC6050c Biostatistical Methods I
University of Florida

Sp. 2020	PHC6051 Biostatistical Methods II PHC6937 Data Visualization in the Health Sciences University of Florida
Fa. 2019	PHC6075 Biostatistical Literacy PHC6050c Biostatistical Methods I University of Florida
Sp. 2019	PHC6051 Biostatistical Methods II PHC6053 Regression Methods for the Health and Life Sciences University of Florida
Fa. 2018	PHC6937 Biostatistical Literacy PHC6050c Biostatistical Methods I University of Florida
Su. 2018	Biostatistics Academic Enrichment Summer Health Professions Education Program (SHPEP) University of Florida
Sp. 2018	PHC6937 Public Health Computing PHC6053 Regression Methods for the Health and Life Sciences University of Florida
Fa. 2017	PHC6937 Biostatistical Literacy PHC4094 Intro to Biostatistics for Health Science and Public Health University of Florida
Fa. 2016	MAE4310 Teaching Mathematics in the Inclusive Elementary Classroom University of Florida
Fa. 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
Sp. 2010	Teaching Assistant: MA231 Calculus III Clarkson University

advising

2021-	Gaia Zori (PhD – Social & Behavioral Sciences)	University of Florida
2021-	Hyunsoo Kim (online MS)	University of Florida
2020-	Barbara Breeden (online MS)	University of Florida
2020-	Erica Baer (online MS)	University of Florida
2020-2021	Gerard Garvan (online MS)	University of Florida
2018-2020	Jiaqi Chen (MS)	University of Florida
2018-2019	Charvi Bhatt (online MS)	University of Florida
2018-2020	Mingyue Li (MPH – Biostatistics)	University of Florida
2018-2020	Ran Mo (MPH – Biostatistics)	University of Florida
2017-2018	Christa Ochoa (MPH – Biostatistics)	University of Florida
2017-2018	Xinran Liu (MPH – Biostatistics)	University of Florida

service

Reviewer, Teaching Excellence Faculty Fellow, Online Course Reviewer (2022-2023)

Member, Poster Session Committee, ICSA 2022 Applied Stat. Symposium (2022, June)

Organizer and Chair, Session, ICSA 2022 Applied Stat. Symposium (2022, June)

Member, PHHP Academic Integrity Task Force (2022, February –)

Committee Chair, Department of Biostatistics Curriculum Committee (2021, July –)

Member, PHHP Curriculum Committee (2021, July –)

Member, UF Task Force on Fairness and Equity in Assessment (2021, Jan. –)

Member, Clinical Faculty Search Committee (2020, April – 2020, May)

Co-Organizer, Birds of a Feather Discussion JSM (2020, July)

Organizer, UF DataFest (expected 2022, March)

Co-Organizer, Birds of a Feather Discussion USCOTS (2019, May)

Reviewer, Journal of Statistics Education (2019 –)

Committee Chair, Department of Biostatistics Student Recruitment Committee (2019 –)

Co-Founder and Editor, Statistics Teaching and Learning Corner blog (2019 –)

Member, PHHP Blended Learning Task Force (2018 – 2020)

Reviewer, Tenth International Conference on Teaching Statistics (ICOTS) (2017)

Member, Department of Biostatistics Student Recruitment Committee (2017 – 2018)

Member, Department of Biostatistics Curriculum Committee (2017 – 2021)

Director, Online MS Program in Biostatistics at UF (2017 –)

Coordinator, 4-Week STEAM Club on Statistical Posters at P.K. Yonge (Grades 2-3) (2016)

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 Exhibition 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

awards

2022-2023 **Teaching Excellence Faculty Fellow** University of Florida

2014-2017 **Graduate School Fellowship** University of Florida
University of Florida

2014 **I-cubed Graduate Student Mentoring Award** University of Florida

	with Catherine Case and Douglas Whitaker	
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

memberships

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