

Suzanne M. Thornton

CONTACT INFORMATION	500 College Ave Department of Mathematics & Statistics Swarthmore College Swarthmore, PA 19081 USA	Voice: (610) 690-6857 E-mail: sthornt1@swarthmore.edu http://www.swarthmore.edu/NatSci/sthornt1/
RESEARCH INTERESTS	Statistical computing, foundations of statistical inference, ethical statistical practice.	
EDUCATION	Rutgers, The State University of New Jersey , Piscataway, New Jersey USA Ph.D. Statistics, October 2019 Thesis: Advanced computing methods for statistical inference University of Florida <i>Suma Cum Laude</i> , Gainesville, Florida USA B.S., Statistics, May, 2014 B.S., Mathematics, May, 2014	
ARTICLES	<i>Best practices for collecting gender and sex data.*</i> (October 2021) Thornton Suzanne, Dooti Roy, Stephen Parry, Donna LaLonde, Wendy Martinez, Renee Ellis, David Corliss. <i>Significance Magazine</i> . <i>Bridging Bayesian, frequentist and fiducial inferences using confidence distribution.*</i> (2021) Thornton , Suzanne and Minge Xie. <i>Chapman and Hall</i> . Chapter for: Handbook on BFF Inference. <i>Development and validation of a predictive model of drug-resistant genetic generalized epilepsy.</i> (2020) Hyunmi Choi, MD, MS, Kamil Detyniecki, MD, Carl Bazil, MD, PhD, Suzanne Thornton , PhD, et mult. <i>al. Neurology</i> . <i>Friends and allies: LGBT+ inclusion in statistics and data science.</i> (June 2019) Thornton Suzanne, Brittany Green, and Emma Benn. <i>Significance Magazine</i> . <i>LGBT+ resources for statisticians and data scientists.</i> (May 2019) LaLonde Donna, Wendy Martinez, Jack Miller, Miles Ott, and Suzanne Thornton . <i>Significance Magazine Online</i> . <i>Exact Inference on the Random-Effects Model for Meta-Analysis with Few Studies.</i> (2019) Haben Michael, Suzanne Thornton , Minge Xie, and Lu Tian. <i>Biometrics</i> . *These articles are pre-prints but have been accepted for publication.	
HONORS AND AWARDS (SELECTED)	Rutgers Presidential Fellowship, 2015-2019 ICSA Student Paper Winner, 2018 Rutgers Professional Development Fund, 2017 & 2018 NESS Student Paper Winner, April 2017 Deming Scholar Award, 2016 Rutgers Excellence Fellowship, 2015	
PRESENTATIONS (SELECTED)	Invited panelist. Facing Organizational and Ethical Considerations Resulting from COVID-19. Conference on Statistical Practice. Virtual, February 2021 Topic contributed panelist. Balderdash, Codswallop, and Malarkey. Joint Statistical Meeting. Virtual, August 2020.	

Invited speaker. Statistical computing with confidence distributions. Villanova University, Villanova, PA, December, 2019.

Invited speaker. Statistical computing with confidence distributions. Icahn School of Medicine at Mount Sinai, New York City, NY, April, 2019.

Topic contributed panelist & organizer. Conference Within a Conference: A Forum for Sharing a Research and Education Agenda. Women in Statistics and Data Science Conference. Bellevue, WA, October, 2019.

Topic contributed panelist & organizer. Changing the Statistics Community: Effective Strategies for Promoting an Inclusive and Equitable Culture for Women. Joint Statistical Meeting. Denver, CO, August, 2019.

Topic contributed panelist & organizer. Preparing for Increased Gender Diversity and Inclusion in Statistics and Data Science: Important Perspectives from Gender Non-Conforming and LGBTQ Scholars. Women in Statistics and Data Science Conference. La Jolla, CA, October, 2018.

Session speaker. Approximate Confidence Distribution Computing. Joint Conference on Biometrics & Biopharmaceutical Statistics, Vienna, Austria, September, 2017.

Invited poster presentation. Approximate Confidence Distribution Computing. Joint Statistical Meeting, Baltimore, MD, July, 2017.

Session speaker. Approximate Confidence Distribution Computing. International Chinese Statistical Association Conference, Shanghai, China, December, 2016.

Invited poster. Introducing Approximate Confidence Distribution Computing. 72nd Annual Deming Conference on Applied Statistics, Atlantic City, NJ, December, 2016.

Invited speaker. Introduction to Common Statistical Methods. Rutgers Center for Cell Biology and Neuroscience Weekly Seminar, Piscataway, NJ, 2016.

Poster presentation. Approximate Confidence Distribution Computing. Third Annual Bayesian, Frequentist, Fiducial Workshop, Piscataway, NJ, 2016.

EDUCATIONAL EXPERIENCE

Teaching

Developed and evaluated coursework, delivered lessons, and mentored students.

Statistical Methods I (Spring 2020, Fall 2021)
Swarthmore College

Strengthening Conceptual Understanding in Introductory Statistics Courses (2021)
DANA Center at University of Texas Austin

Statistical Methods II (Fall 2020, Fall 2019, Spring 2021)
Swarthmore College

Regression Analysis (combined graduate/undergraduate) (Fall 2017, Spring 2015)
Rutgers University

Undergraduate Research and Advising

QSIDE Datathon4Justice Fall 2021
Faculty participant

Engaged Scholarship Research Grant Receptient Summer 2021
The Lang Center at Swarthmore College

Math/Stat minor Advisor 2020 - 2021
Swarthmore College

Miscellaneous

Intercultural Center Cultural Competency Workshop 2020
Swarthmore College

Advocating for Students of Color: There's More You Can Do 2021
American Mathematical Society

Statistical Consultant (part-time) 2015 - 2019
Rutgers University

Interdisciplinary Boot Camp in Quantitative Biology 2015
Rutgers University

PROFESSIONAL SERVICE

General

Education Council Officer August, 2020 - Present
ISOSTAT representative

USPROC Judge February 2020
Project evaluator

International Mathematical Statistics Association Spring, 2021
Watercooler chat participant

Justice, Equity, Diversity, and Inclusion (JEDI) Organizing Group, American Statistical Association August, 2020 - Present
Communications Committee Chair

Presidential initiative working group, American Statistical Association 2020
Leader and organizer

LGBT+ Diversity Town Hall, Joint Statistical Meeting August, 2019
Leader and organizer.

Swarthmore

Swatisticians Coffee Hour Spring 2021 - Present
Colloquium chair Present

Hiring committee Spring 2020 - Present

Faculty advisor for Gender Minorities in Math/Stats (GeMs) July, 2020 - Present

LACOL Faculty Advisory Council July, 2020 - Present

Math/Stat Placement Committee Summer 2020

Rutgers

Graduate Student Association (GSA) Vice President September, 2017 - May, 2018
University Senate, Graduate Student Representative September, 2016 - May, 2017

PROFESSIONAL ASSOCIATIONS

- Institute for the Quantitative Study of Inclusion, Diversity, and Equity (QSIDE)
- International Mathematical Statistics Association (IMS)
- American Statistical Association (ASA)

- COMPUTER SKILLS
- Statistical Packages: R (including parallel, tidyverse, RMarkdown), SAS, Minitab, SPSS
 - Languages: C++, Markdown, Python.
 - Applications: L^AT_EX, spreadsheet.
 - Operating Systems: Mac, Windows.