Maria Tackett

Assistant Professor of the Practice
Department of Statistical Science, Duke University
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Education

Ph.D. in Statistics   2018
University of Virginia

M.S. in Statistics   2010
University of Tennessee-Knoxville

B.S. in Mathematics   2009
University of Tennessee-Knoxville

Academic Appointments

Assistant Professor of the Practice   2018 - present
Duke University, Department of Statistical Science

Teaching Experience

Duke University

STA 199: Intro to Data Science   Fall 2021, Fall 2020, Fall 2019, Spring 2019

STA 210: Regression Analysis   Fall 2021, Spring 2021, Fall 2020

Spring 2020, Fall 2019, Spring 2019, Fall 2018

Invited Talks

1. *What a tap class has taught me about teaching statistics.* United States Conference on Teaching Statistics. Online. June 2021.

2. *Undergraduate research in statistics.* OURFA^{2}M^2 Conference. Online. December 2020.

3. *Making remote lectures active and inclusive in a large undergraduate course.* Teaching and Learning Statistics Online Conference. Online (Royal Statistical Society (RSS) Teaching Statistics Special Interest Group). July 2020.

4. *You don't have to be an expert to create something meaningful.* rstudio::conf. San Francisco, CA. January 2020.

5. *Beyond the Buzzword: A Look at Data Science in Practice and How You Can Be a Part of It.* SAMSI Diversity in Data Science and Machine Learning Conference. Washington, DC. October 2019. (Plenary talk)

Grants & Fellowships

Duke Learning Innovation's Carry the Innovation Forward Fund. *Building Community and Self-Efficacy Through Inclusive Teaching Practices*, 2021 - 2023. $4,616.

Duke Trinity Research Enhancement Fund. *Toward a More Sustainable Culture of Undergraduate Research in Statistical Science*, 2021 - 2022, $11,000.

Duke Bass Connections - Brain & Society. *Mental Health and the Justice System in Durham*, 2020 - 2023, Role: Co-PI, $14,200 each academic year.

Duke Data+. *Mental Health and the Justice System in Durham.* 2020 - 2022, Role: Co-PI, $17,500 each year.

National Science Foundation. *Collaborative Research: Accelerating the Pace of Research and Implementation of Writing-to-Learn Pedagogies Across STEM Disciplines*, 2018 - 2020, Role: Key Faculty.

Service to Profession

Symposium on Statistics & Data Science Program Committee, Poster Chair, 2021 - 2022

UT-Austin Dana Center Statistics Curriculum Advisory & Authoring Group, 2020 - 2021

Journal of Statistics Education, Associate Editor, 2020 - present

ASA Section on Statistics and Data Science Education, Communications Officer, 2020 - present

Chance Magazine Statistics Education Column: Taking a Chance in the Classroom, Editor, 2019 - present

University & Departmental Service

Women in Research House Course, Faculty Advisor, 2021

Library Council, 2021 - present

Statistical Science Anti-Racism Committee, 2021

Trinity Arts & Sciences Committee on Curriculum, 2019 - present

ASA DataFest@Duke Organizer, 2019 - present

Duke SPIRE Mentor, 2019 - present

Publications

Peer Reviewed Papers

1. Beckman, M. D., Çetinkaya-Rundel, M., Horton, N. J., Rundel, C. W., Sullivan, A. J., & Tackett, M. (2020). *Implementing version control with Git and GitHub as a learning objective in statistics and data science courses.* Journal of Statistics Education, 1-35.

2. Dotson, M., Alvarez, V., Tackett, M., Asturias, G., Leon, I., Ramanujam, M. (2020) *Design Thinking-Based STEM Learning: Preliminary Results on Achieving Scale and Sustainability Through the IG-NITE Model.* Frontiers in Education, 5: 14-24.

Other

1. Tackett, M., Burbank, K., Canner, J., & Çetinkaya-Rundel, M. (2021). Teaching Courses Focused on Social Good. *Chance*, 34(3), 69-72.

2. Tackett, M. (2021, January 14). *A flipped classroom sparks online engagement*. Duke Covid Diaries Series.

3. Tackett, M., & Çetinkaya-Rundel, M. (2020). COVID-19 Data in the Classroom. *CHANCE*, 33(3), 63-66.

4. Çetinkaya-Rundel, M., & Tackett, M. (2020). From drab to fab: Teaching visualization via incremental improvements. *CHANCE*, 33(2), 31-41.