



TSHS JSM Event Schedule

Sunday 8/3	2:00-3:50 pm	<p>Topic-Contributed Panel Session, #768 [Music City Center, CC-207B]: <i>"What Educated Citizens Should Know About Statistics and Probability, Revisited"</i> Organizer: Ming-Wen An, Vassar College Chair: Jonathan Wells, Grinnell College</p> <p>Panelists:</p> <ul style="list-style-type: none"> • Jessica Utts, University of California • Hunter Glanz, California Polytechnic State University • Karen Hulting, St. Cloud State University • Dennis Sun, Stanford University • Shonda Kuiper, Grinnell College • Donna LaLonde, American Statistical Association
Sunday 8/3	4:00-5:50 pm	<p>Invited Paper Session, #486 [Music City Center, CC-202B]: <i>"New Possibilities in Statistics Instruction: Current Trends and Future Directions"</i> Organizers: Jennifer Green and Maria Cruciani, Michigan State University Chair: Elizabeth Arnold, Montana State University</p> <p>4:05 pm <i>The Statistical Education of Teachers II Report</i> Kaycie Maddox, American Statistical Association Anna Bargagliotti, Loyola Marymount University Christine Franklin, University of Georgia Robert Gould, UCLA</p> <p>4:30 pm <i>Exploring Statistics Instruction in High School Intermediate Algebra Courses: Results of a National Survey</i> Jennifer Green, Michigan State University</p> <p>4:55 pm <i>Trends in Teaching Advanced Placement Statistics</i> Taylor Harrison, Northwest Missouri State University</p> <p>5:20 pm <i>The Teaching of Introductory Statistics: Results of a National Survey</i> Andrew Zieffler, University of Minnesota</p>
Monday 8/4	7:00-8:00 am	TSHS Business Meeting [ONLY SECTION OFFICERS; Omni Nashville Hotel, Room H-Mockingbird 2]
Monday 8/4	8:30-10:20 am	<p>Contributed Paper Session, #4033 [Music City Center, CC-212]: <i>"Applications, Innovations, and Education in Modern Statistics"</i> Chair: Terrie Vasilopoulos, University of Florida, College of Medicine</p>



8:35 am

Variance-Guided Regression for Heteroscedastic Data: Estimation and Application in Health Studies

Sibei Liu, University of Miami

8:50 am

Comparison of sequential data analysis and functional data analysis for locomotor adaptation

Torin Quinlivan, Northern Illinois University

9:05 am

Cultivating a Robust Research Environment: A Five-Year Journey at a Private University

Daniel Aksamit, Clarkson College

9:20 am

Double Layers of Causal Inference: Application to fMRI Effective Connectivity Research

Haiyue Song, Brown University

9:35 am

Neighborhood Characteristics and Health Literacy: Evidence from the 2023 Survey of Racism and Public Health with the 2017-2021 American Community Survey

Jonathan Odumegwu

9:50 am

Statistical challenges in the analysis of proteomics data with small sample size: a simulation study

Kyung Hyun Lee, UTHealth

Monday
8/4

10:30 am-12:20 pm

Invited Panel Session, #495 [Music City Center, CC-214]:

"Navigating Challenges and Leveraging Opportunities in Biostatistics Graduate Education"

Organizer and Chair: Qingxia Chen, Vanderbilt University Medical Center

Panelists:

- Sebastien Haneuse, Harvard T.H. Chan School of Public Health
- Russell Shinohara, University of Pennsylvania
- Elizabeth Stuart, Johns Hopkins University, Bloomberg School of Public Health
- Yuanjia Wang, Columbia University
- Andrew Spieker, Vanderbilt University Medical Center
- Ali Shojaie, University of Washington

Monday
8/4

12:30-1:50 pm

Roundtable Discussion, #2168 [Music City Center, CC-Dean Grand Ballroom A2]:

"Strategies for Integrating Statistics into Health Sciences Education at an Academic Medical Center"

Chair: Jayawant Mandrekar, Mayo Clinic



Monday 8/4	2:00-3:50 pm	<p>Topic-Contributed Paper Session, #768 [Music City Center, CC-106A]: <i>"Addressing Faculty Salary Inequities in Higher Education"</i> Organizer and Chair: Gheorghe Luta, Georgetown University</p> <p>2:05 pm <i>Judicial Recognition of Salary Studies</i> Mary Gray, American University</p> <p>2:25 pm <i>Data Management for Faculty Salary-Equity Studies in U.S. Higher Education</i> Glenn Colby, American Association of University Professors</p> <p>2:45 pm <i>Statistical Issues Arising in Faculty Salary Equity Analyses</i> Merlise Clyde, Duke University</p> <p>3:05 pm <i>Considerations for Statistical Analysis of Salary Equity Data</i> Leonard Stefanski, North Carolina State University</p> <p>3:25 pm <i>Correcting Identified Inequities</i> Lynne Billard, University of Georgia</p>
Monday 8/4	6:00-8:00 pm	TSHS Mixer and Business Meeting, [Music City Center, CC-401A]
Tuesday 8/5	8:30-10:20 am	<p>Invited Panel Session, #148 [Music City Center, CC-Davidson Ballroom A3]: <i>"Innovations in Incorporating Collaborative Skills throughout the Statistical Training Pathway"</i> Organizer and Chair: Emily Slade, University of Kentucky</p> <p>Panelists:</p> <ul style="list-style-type: none"> • Gina-Maria Pomann, Duke University • Julia Sharp, National Institute of Standards and Technology • Alexandra Hanlon, Virginia Tech • Ryan Peterson, University of Colorado - Anschutz Medical Campus
Tuesday 8/5	12:30-1:50 pm	<p>Roundtable Discussion, #887 [Music City Center, CC-Dean Grand Ballroom A2]: <i>"Using JASP to teach Bayesian Statistics to Health Science Students"</i> Chair: Abragan Ayebo, University of Minnesota Rochester</p>
Tuesday 8/5	12:30-1:50 pm	<p>Roundtable Discussion, #2801 [Music City Center, CC-Dean Grand Ballroom A2]: <i>"Statisticians in Academic Nursing Programs"</i> Chair: Matt Hayat, Georgia State University</p>
Wednesday 8/6	8:30-10:20 am	<p>Invited Paper Session, #230 [Music City Center, CC-207C]: <i>"Teaching Causal Inference with Observational Data"</i> Organizer: Milo Schield, New College of Florida Chair: Jeffrey Witmer, Oberlin College</p>



8:35 am

Comparing potential outcomes and directed acyclic graph approaches to understanding causal inference from data

Christopher Rhoades, University of Connecticut

9:00 am

Refining Students' Statistical Inference, Modeling, Visualization, and Computation Skills through the Lens of Causality

Zach Branson, Carnegie Mellon University

9:25 am

Teaching Causal Diagrams in an Introductory Statistics Course and Beyond

Rosanna Overholser, Cal Poly Humboldt

9:50 am

Teaching Observational Causation using the Wainer-Cornfield Approach

Milo Schield, New College of Florida

Wednesday 10:30 am-12:20 pm
8/6

Topic-Contributed Paper Session, #630 [Music City Center, CC-101C]:

"Journal of Statistics and Data Science Education: Promoting Innovative and Inclusive Approaches in Statistics and Data Science Education"

Organizer and Chair: Juana Sanchez, University of California, Los Angeles

Discussant: Prince Allotey, University of South Carolina

10:35 am

The Design and Implementation of a Bayesian Data Analysis Lesson for Pre-Service Teachers

Mine Dogucu, University of California Irvine

10:55 am

Five Hands-on Experiments for a Design of Experiments Course

Victoria Woodard, University of Notre Dame

11:15 am

A Biostatistics Literacy Course: Teaching Medical and Public Health Professionals to Read and Interpret Statistics in the Published Literature

Ann Brearley, University of Minnesota

11:35 am

Fostering the Development of Earth Data Science Skills in a Diverse Community of Online Learners: A Case Study of the Earth Data Science Corps

Nathan Quarderer, University of Colorado

Wednesday 12:30-1:50 pm
8/6

Roundtable Discussion, #2090 [Music City Center, CC-Dean Grand Ballroom A2]:

"Teaching Causal Inference Using Observational Data"

Chair: Milo Schield, New College of Florida

Wednesday 2:00-3:50 pm
8/6

Contributed Paper Session, #4194 [Music City Center, CC-104E]:

"Engaging Students in Biostatistics & Data Science"

Chair: Ke Yan, Medical College of Wisconsin



2:05 pm

An Analysis of Students' Learning Outcomes and Experiences in Graduate Biostatistical Methods

Lixia Wang, University of Florida

2:20 pm

Box-Cox Transformations - 60 Years After

Marepalli Rao, University of Cincinnati

2:35 pm

Building for the Future of Biomedical Research: A Graduate Curriculum in Clinical Data Science

Richard Ittenbach, Cincinnati Children's Hospital

2:50 pm

Enhancing Public Health Data Understanding by Leveraging PCA for Aggregated Measures

Zhixin Lun, University of Colorado Anschutz Medical Campus

3:05 pm

Formation of a University's Causal Inference Collaboratory Community Survey

Emily Roberts

3:20 pm

Replication, Replication - Creation of a Biostatistics Capstone Course

Lynette Smith, University of Nebraska Medical Center

Thursday
8/7

8:30-10:20 am

Topic-Contributed Panel Session, #661 [Music City Center, CC-104C]:
"Veridical Data Science Education"

Organizers: Matteo Bonvini, Ruobin Gong

Chair: Matteo Bonvini

Panelists:

- Rebecca Barter, University of Utah
- Bin Yu, University of California at Berkeley
- Andrew Bray, UC Berkeley
- Joshua Rosenberg, University of Tennessee, Knoxville
- Ruobin Gong, Rutgers University