

Seventy-Seventh (77th) Annual Deming Conference on Applied Statistics
Tropicana Casino and Resort, Havana Tower, Atlantic City, NJ
Sponsored by the Biopharmaceutical Section of the ASA, International Chinese Statistical Association,
and the Deming Conference Organization

Sunday December 5, 2021 Registration: 6:00 ⇒ 7:30 PM and Reception 7:00 ⇒ 8:00 PM

Monday December 6, 2021 Registration: 6:30 ⇒ 8:00 AM and Hot Breakfast 7:00 ⇒ 7:50 AM / Morning Sessions 9:00 AM ⇒ 12:00 PM


8:00 ⇒ 9:00 AM What is Translational Biostatistics and How to Implement It? Prof. L. J. Wei, Harvard University
Moderator: Pinggao Zhang

Session A
Semiparametric Regression Analysis of Interval-Censored Data
Danyu Lin, University of North Carolina @ Chapel Hill
Moderator: Wenjin Wang

Session B
Precision Gains in Randomized Studies Using Covariate Adjustment With Ordinal and Time-To-Event Endpoints
Iván Díaz, Cornell University
Moderator: Kalyan Ghosh

Lunch (On Your Own) 12:00 ⇒ 1:30 PM / Afternoon Sessions 1:30 ⇒ 4:45 PM

Session C ♣
Group Sequential Design (GSDESIGN) and Non-Proportional Hazard
Keaven Anderson, Yilong Zhang and Xiao Nan, Merck & Co. Inc
Moderator: Bill Wang

Session D ♣
Marginal Models in Analysis of Correlated Binary Data with Time-Dependent Covariates in Biomedical Clinical Trials 
Jeffrey R. Wilson, Arizona State University and Din Chen, UNC-Chapel Hill
Moderator: Walter R. Young

7:00 PM Speaker's and Awards Dinner (Optional Added Fee Event)

Tuesday December 7, 2021 Registration: 7:00 ⇒ 8:00 AM and Hot Breakfast 7:00 ⇒ 7:50 AM / Morning Sessions 9:00 AM ⇒ 12:15 PM

8:00 ⇒ 9:00 AM Multiple Imputation and Missing Data, Prof. Stef van Buuren, University of Utrecht, Holland
Moderator: Alfred H. Balch

Session E ♣
Principles for Covariate Adjustment in Analyzing Randomized Clinical Trials
Shao Jun, University of Wisconsin - Madison
Moderator: Naitee Ting

Session F ♣
C'mon in ... The DOOR is Open: Pragmatic Benefit:Risk Evaluation Using Outcomes to Analyze Patients Rather than Patients to Analyze Outcomes
Scott Evans and Toshimitsu Hamasaki, George Washington University
Moderator: Bill Wang

Lunch (On Your Own) 12:15 ⇒ 1:30 PM / Afternoon Sessions 1:30 ⇒ 4:45 PM

Session G ♣
Beyond Bonferroni Correction – Innovation, Intuition and Common Sense
Qian Helen Li, BMS
Moderator: Naitee Ting

Session H ♣
Extracting Real-World Evidence from Real-World Data
Rebecca Hubbard, University of Pennsylvania and Xu Shi, University of Michigan
Moderator: Kalyan Ghosh

Wednesday December 8, 2021 Registration: 7:00 ⇒ 8:00 AM and Hot Breakfast 7:00 ⇒ 7:50 AM / Morning Sessions 9:00 ⇒ 12:15 PM

8:00 ⇒ 9:00 AM Two Key Ideas in Missing Data – Missing at Random and Response Propensity, Prof. Rod Little, University of Michigan
Moderator Alfred H. Balch

Session I ♣
The Treatment of Missing Data in Clinical Trials
Rod Little, University of Michigan
Moderator: Alfred H. Balch

Session J ♣
Robust Methods for Assessment of Average and Scaled Average Bioequivalence
Divan Burger, University of Pretoria, South Africa
Moderator: Din Chen

Lunch (On Your Own) 12:15 ⇒ 1:30 PM / Afternoon Sessions 1:30 ⇒ 5PM

Session K 
Using SAS PROC BGLIMM and MCMC for Bayesian Analysis of Mixed Models
Walter Stroup, University of Nebraska
Moderator: Alfred H. Balch

Session L
Statistical Analyses Targeting Estimands
Frank Bretz and Dong Xi, Novartis
Moderator: Ivan S F Chan

Thursday December 9, 2021 Short Course Registration: 6:30 ⇒ 8:00 AM and Hot Breakfast: 7:00 ⇒ 7:50 AM

8:00 ⇒ 9:30 Lecture / 9:30 ⇒ 9:50 Break / 9:50 ⇒ 11:20 Lecture / 11:20 ⇒ 12:40 Lunch on Your Own / 12:40 ⇒ 2:10 Lecture / 2:10 ⇒ 2:30 Break / 2:30 ⇒ 4:00 Lecture / 4:00 ⇒ 4:20 Break / 4:20 ⇒ 5:00 Lecture


Estimands, Missing Data Handling, and Bayesian Methods for Clinical Trials
Frank Liu, Merck & Co. Inc and Fang Chen, SAS® Institute Inc.
Moderator: Ivan S. F. Chan

Multiple Imputation in Practice 
Stef van Buuren and Gerko Vink, University of Utrecht, Holland
Moderator: Alfred H. Balch

Friday December 10, 2021 Short Courses Continue and Hot Breakfast: 7:00 ⇒ 7:50 AM

8:00 - 9:30 Lecture / 9:30 - 9:50 Break / 9:50 - 11:20 Lecture / 11:20 - 11:40 Break / 11:40 - 1:10 Lecture

All tutorial and short course titles, presenters and moderators from 1970 onward are on www.demingconference.org

 Session is based on a recently published text that is available either for a discounted price or is included in the price of the short course registration

♣ Sessions will have their breaks extended by 15 minutes for Poster Presentations