

Online seminar sessions
(Thorsten Dickhaus, March 22nd, 2021)

A) Handbook-related sessions:

Session 1: Methods based on p-values

(Tuesday, August 17th, 2021, 8am – 11am California time)

Chapter 2: Multiple Test Procedures Based on p-Values (Presenter: Ajit Tamhane)

Chapter 3: Multivariate multiple test procedures (Presenter: Thorsten Dickhaus)

Chapter 8: Estimation of π_0 (Presenter: Jonathan Rosenblatt)

Session 2: Partitioning, Multiple Endpoints, and Subgroup Analysis

(Tuesday, August 24, 8am – 11am California time)

Chapter 4: Partitioning for Confidence Sets, Confident Directions, and Decision Paths

Chapter 12: Multiple endpoints

Chapter 13: Subgroups Analysis for Personalized and Precision Medicine Development

(Presenters for the whole session: Jason C. Hsu, Yi Liu, and Bushi Wang)

Session 3: Biopharmaceutical applications of multiple comparison procedures

(Tuesday, August 31, 8am – 11am California time)

Chapter 5: Graphical Approaches for Multiple Comparison Procedures

(Presenters: Dong Xi and Frank Bretz)

Chapter 10: Adaptive and group sequential designs

(Ekkehard Glimm and Lisa Hampson)

Chapter 11: Multiple Testing for Dose Finding

(Frank Bretz, Dong Xi, and Björn Bornkamp)

Session 4: Model Selection and Post-hoc Bounds

(Tuesday, September 7th, 2021, 8am – 11am California time)

Chapter 7: Identifying Important Predictors in Large Data Bases - Multiple Testing and Model Selection (Presenters: Malgorzata Bogdan and Florian Frommlet)

Chapter 9: On Agnostic Post hoc Approaches to False Positive Control

(Gilles Blanchard, Pierre Neuvial, and Etienne Roquain)

Session 5: Exploratory Inference and Targeted Drug Development

(Tuesday, September 14th, 2021, 8am – 11am California time)

Chapter 14: Exploratory Inference: Localizing Relevant Effects with Confidence
(Aldo Solari and Jelle J. Goeman)

Chapter 15: Testing SNPs in Targeted Drug Development
(Ying Ding, Yue Wei, Xinjun Wang, and Jason C. Hsu)

B) Invited sessions:

Session 1: Selective Inference

(Thursday, August 19th, 2021, 8am – 11am California time)

Speakers: Will Fithian, Lihua Lei, Jelle Goeman

Session 2: Online testing

(Thursday, August 26th, 2021, 8am – 11am California time)

Speakers: Aaditya Ramdas, Wenguan Sun, David Robertson

Session 3: Platform and multi-arm clinical trials

(Thursday, September 02nd, 8am – 11am California time)

Speakers: Michael Proschan, Elias Meyer, Thomas Burnett, Babak Choodari-Oskoei
Discussant: Lisa Hampson

Session 4: Knockoffs

(Friday, September 10, 8am – 11am California time)

Speakers: Rina Foygel Barber, Lucas Janson, Sanat K. Sarkar

Session 5: Mean field asymptotics in high-dimensional statistics

(Friday, September 17, 8am – 11am California time)

Speakers: Weijie Su (University of Pennsylvania), Pragma Sur (Harvard), Asaf Weinstein (Hebrew University of Jerusalem)

Discussant: Adel Javanmard (University of Southern California)