2022 Summer Institute in Statistics for Clinical & Epidemiological Research (SISCER)

All modules will be held online. 2022 module descriptions will be posted by mid-February.

July 11

Improving Precision and Power in Randomized Trials by Leveraging Baseline Variables
Instructor: Michael Rosenblum

Small Area Estimation
Instructor: Jonathan Wakefield

July 12

Topics in Clinical Trials: Issues in Non-Inferiority Trials and Addressing Missing Data
NEW
Instructor: Thomas Fleming

July 12 - July 13

Evaluation of Biomarkers and Risk Models
Instructor: Kathleen Kerr

Analyzing Data from Complex Surveys
Instructor: Thomas Lumley

July 13 - July 14

Adaptive Enrichment Clinical Trial Designs: Methods and Software
Instructor: Michael Rosenblum

July 14 - July 15

Developing Prognostic and Predictive Biomarkers with High Dimensional Data
Instructors: Noah Simon, Richard Simon

July 15

New Module: Title & information coming soon
Instructor: Scott Emerson

July 18 - 19
Generalized Estimating Equations and Mixed-Effects Models for Longitudinal Data Analysis
Instructors: Anna Plantinga; Katie Wilson

Use of Prognostic & Predictive Biomarkers in the Design of Clinical Studies
Instructors: Noah Simon; Richard Simon

**July 18 - July 21**

Modern Statistical Learning for Observational Data
Instructors: David Benkeser; Marco Carone

**July 20-22**

Survival Analysis with Emphasis on Applications to Clinical Trials
Instructor: Ying Qing Chen

*New Module: Title & information coming soon*
Instructors: Michael Proschan, Pamela Shaw

**July 25-26**

Joint Modeling of Longitudinal and Survival Data
Instructor: Ben French

**July 25 – July 27**

Causal Inference with Observational Data: Common Designs and Statistical Methods *NEW*
Instructors: Ting Ye; Qingyuan Zhao

**July 28 – July 29**

Propensity Scores
Instructor: David Stephens

**August 1- August 3**

Statistical Learning in Mediation Analysis
Instructors: David Benkeser; Iván Díaz
Module Time Frames

The live session time frame for SISCER is 8:30-noon, Pacific (11:30-3 p.m. Eastern) unless otherwise indicated on the module description page. A few weeks prior to the start of a course, instructors will post a more precise schedule that outlines specific times for live lectures, group exercises, office hours, breaks, etc.). Registrants may take SISCER courses concurrent with other modules.