

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.