

Summer Institute in Statistical Genetics
Module 5: Regression Methods -- Concepts and Applications

July 12-14, 2023

Instructors

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Tentative Schedule

1. Wed 1:30-3:00 pm
Simple Linear Regression
2. Wed 3:30-5:00 pm
Lab: Introduction to R and Simple Linear Regression
3. Thurs 8:30-10:00 am
Model Checking and Intro to Multiple Linear Regression
4. Thurs 10:30 am-12:00 pm
Multiple Linear Regression (continued)
5. Thurs 1:30-3:00 pm
Lab: Model Checking and Multiple Linear Regression
6. Thurs 3:30-5:00 pm
One-Way ANOVA
7. Fri 8:30-10:00 am
Multiple Comparisons and Two-Way ANOVA
8. Fri 10:30 am-12:00 pm
Lab: One-Way and Two-Way ANOVA
9. Fri 1:30-3:00 pm
Logistic Regression and Generalized Linear Models
10. Fri 3:30-5:00 pm
Lab: Generalized Linear Models for Binary Outcomes