

# SISG Module 8, Statistical Genetics, Schedule 2023

## Monday July 17

- 8:30-10:00 Lecture 1 Allele Frequencies and Variances.
- 10:00-10:30 Break
- 10:30-12:00 Practical 1 Importing data into R; Simulating data; Allele frequencies.
- 12:00-1:30 Break
- 1:30-3:00 Lecture 2 Hardy-Weinberg Equilibrium.
- 3:00-3:30 Break
- 3:30-5:00 Practical 2 Hardy-Weinberg Equilibrium.
- 5:00-6:00 Mixer

## Tuesday July 18

- 8:30-10:00 Lecture 3 Inbreeding and Relatedness.
- 10:00-10:30 Break
- 10:30-12:00 Practical 3 Inbreeding and Relatedness.
- 12:00-1:30 Break
- 1:30-3:00 Lecture 4 Population Structure.
- 3:00-3:30 Break
- 3:30-5:00 Practical 4 Population Structure.

## Wednesday July 19

- 8:30-10:00 Lecture 5 Quantitative Trait Analyses. Heritability and GWAS.
- 10:00-10:30 Break
- 10:30-12:00 Practical 5 Quantitative Trait Analyses. Heritability and GWAS.

Slack Workspace: <https://uwbiostatisticssisg.slack.com>

Slack Channel: mod08\_statistical\_genetics\_2023