

Mixed models (Module 12)

Wednesday (afternoon) 20 July – Friday 22 July

Guilherme Rosa, University of Wisconsin

Bruce Walsh, University of Arizona

All lectures are prerecorded and posted with notes on the SISG website

All times is Pacific Daylight Time (PDT)

Zoom link for all class discussions

<https://arizona.zoom.us/j/84126572053>

Zoom link for open class meeting (open zoom forum for students to chat amongst themselves) M-F 5 to 8pm PDT

<https://arizona.zoom.us/j/87933359534>

Wednesday 20 July

Afternoon

1) **Intro to matrix algebra** (Bruce)

1:00-2:30 (PDT) Discussion

Thursday 21 July

Morning:

2) **General Linear model** (Bruce)

3) **Overview of mixed model** (Guilherme)

10:00-11:30 (PDT) Discussion

Afternoon

4) **BLUP** (Guilherme)

1:00-2:30 (PDT) Discussion

Friday 22 July

Morning:

5) **Variance components** (Guilherme)

6) **MCMC** (Guilherme)

10:00-11:30 (PDT) Discussion

Afternoon:

7) **Genomic selection** (Guilherme)

1:00-2:30 (PDT) Discussion