

Schedule

Workflow - LGN5825 - 2019

On Wednesday, 8 -12 pm

Week	Date	Lectures	Labs
1	14-Aug	Population and quantitative review	Data quality control
2	21-Aug	Population structure and genetic effects	Population genetics and structure
3	28-Aug	Covariance between relatives	Pedigree
4	11-Sep	Response to selection	Kinship
5	28-Sep	Inbreeding, heterosis, and hybrids between populations	Mixed Model Equations
6	09-Oct	Hybrids between lines	REML/BLUP (I, A and K)
7	09-Oct	Test I	
8	16-Oct	Lines, testers and testcrosses	Diallell
9	23-Oct	Base populations and breeding schemes	Phenotype correction and Optimized Training Sets
10	30-Oct	GWAS	GWAS
11	06-Nov	Genomic Selection	GS and GS multi-trait (GBLUP)
12	13-Nov	Recurrent Selection	GS (Bayes alphabet)
13	27-Nov	Reciprocal Recurrent Selection	GS (Bayes GE models)
14	27-Nov	Test II	

Classes and tests

[Moodle STOA](#)

Homeworks

[Every week, based on R labs](#)

R labs (R Markdown file)