In Single-locus Genetic Model with 3 genotypes

Genotype	genotypic Value
G1G1	+ a
G1G2	+ d
G2G2	− a
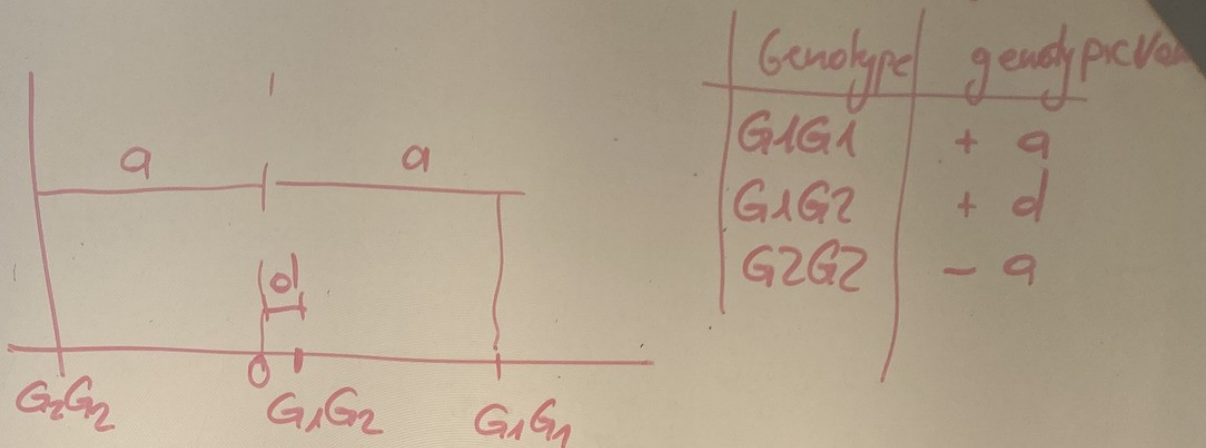
- □ a and d are parameters to be estimated from data

□ Data

Animals	Genotype	Observations
1	G1G2	471
2	G2 G2	463
⋮	⋮	⋮
N	G1 G1	541

− In general, d cannot be assumed to be 0

y