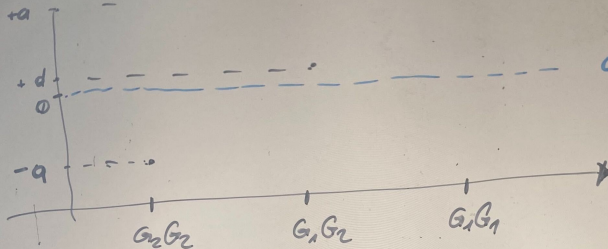


Variances



$$a = d = 0$$



no variation
and no
possibility
for selection
of parents



variation is
an important pre-
requisite for selection

Population

- G_1G_1
- G_1G_2
- G_2G_2

Question relevant to Liverpool Breeding:

Which is the 'best' animal as a parent
of the future generation?

- We want to be able to quantify the variation in the different values (genotypic, breeding values, ...)