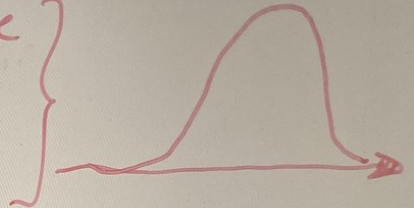


Quantitative Genetics

- Quantitative Trait : phenotypic data available

↓
measured on continuous scale
methane emission in g
weaning weight in kg



Opposite: qualitative traits

↓
discrete scale → few classes

- Assumption :
quantitative trait with values V
is influenced by just one locus (G)
that means, one position in the genome determines
the genetic component (V) in our genetic model

- healthy / diseased
- skin color
- Litter size
- Multiple birth