

# Genomic Data Set

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□ Livestock Animals  
(Population)

- cattle
- pigs
- 

□ Goal: change population means in some traits

Where traits might be:

- Methane emission
- Feed efficiency
- Health
- (Milk yield
- Fat percentage)

□ Data:

| Animals | Sire | Dam | Sex | Age | SNP1 ... SNPK |  | Trait |
|---------|------|-----|-----|-----|---------------|--|-------|
| 1       |      |     |     |     |               |  |       |
| 2       |      |     |     |     |               |  |       |
| ⋮       |      |     |     |     |               |  |       |
| N       |      |     |     |     |               |  |       |

150K

100K