

Principle of Predicting Breeding values

- Given Model: $y = \mu + u + e$
- 2 Steps: 1. Correct observations by population mean
- 2. Weight the corrected observations by an appropriate factor.
- Implementation of how to compute predicted breeding values will depend on the available information.
- First example: animal own performance record

Animal	Performance record (observed weight 100 days of age)
1	115 kg
2	95 kg
3	119 kg
⋮	⋮
N	101 kg

↓ Phenotypic observation