

- Estimation for fixed effect)

Method for Prediction:

- Use a linear mixed effects model (Lme)
- Linear: Observations (y) are taken as response variables in our statistical model, responses are modelled as linear function of unknown parameters
- Mixed: Model contains both fixed and random effects

Estimates via best squares

Fixed effect: • Example data, Herd is a fixed effect. discrete

- Regression covariate are also considered fixed, e.g. breast circumference

Random effects: Breeding values are random