Goal: Final method that is able to use all available data and to predict breedily values for all animals in the population

Solution: Use BLUP

B: Best, i.e. var (u-û) is minimal prediction error variance

L: Linear, linear function of y as a predictor if of true breeding values u

 $U: unbiased, E(\hat{u}) = E(u)$

P. Prediction (Znohlwertschagung)

(In English: Prediction for vandous
effect

Estimation for fixed