Kecap 2023-12-01 a Prediction of breedilg values using BLUP-animal woods a BLUP animal model: Linear mixed effects model (I ME) y = XB + Zu + e ; with B: fixed effects U: breedily values response variable J: responsions e: residuals D BLUE-estimates & for fixed effects B BLUP-predictions if for breedly values u 12 Mixed model equations: $\begin{bmatrix} X^{T}X & X^{T}Z \\ 2^{T}X + \lambda A^{T} \end{bmatrix} \begin{bmatrix} \beta \\ \alpha \end{bmatrix} = \begin{bmatrix} X^{T}y \\ 2^{T}y \end{bmatrix} \lambda = \frac{5c^{2}}{5c^{2}}$ relation Ship S=[a] = M1. r = D. solve(M,r) In R