2023-11-10 Recap. a Central topic Use linear mixed effects (LME) to predict breeding values 1 D Why LME: Becouse breeding values of related individuals are correlated, for animals i and sharing some common ancestor, we have cov(ui,uj) #0 a LAE: lu matrix-vector notation y = XB + Zu + Es unknown vector of residuals unknown rector of random breedily values vector of KUDLOVI fixed vector of 'effects observations (herd, Sex, breed, or covarias such as breast circumfuence Matrices: X, 2 known olesign matrices ,