Linear Mixed Effects Models (LITE)

Problem with fixed effect models:

- Cannot integrate genetic variance into the model analysis

- Genetic variances are different for different traits, often expressed (Growth, or weight: 420.5-06)

nealth traits: h20.001

Matrix - Vector Notation:

y = XB + Zu+e > y, X and B: like FEM

U: vector of random

Z: Incidence matrix relating effects in u

e: residuals.