☐ Prediction of breedly values

$$y = Xb + Zu + e$$

→ Known from pedigree

Known from dataset

Known observations

= vectors b, u and (e) are unknown
where e is not of interest

Goal : Use known parts y, X, Z to
compute estimates $\hat{b}$ for unknown b
and compute prediction $\hat{u}$ for u

— Fixed   Least Squares
Rand   BLUP

Livestock Breedy & Genomics
Fr 9-12