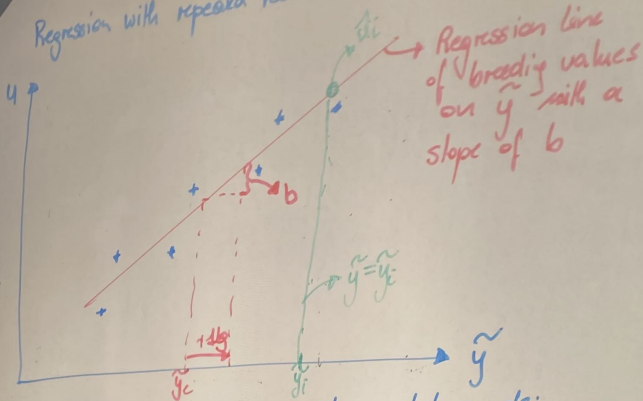


Regression with repeated records



- Prediction based on regression with repeated records:

$$\hat{u}_i = b (\tilde{y}_i - \bar{\tilde{y}})$$

population mean

$$b = \frac{\text{cov}(u, \tilde{y})}{\text{var}(\tilde{y})}$$

Prediction with a new value of \tilde{y}_i search value
on red regression line that intersects with the
ordinate $\tilde{y} = \tilde{y}_i$