

Pros and Cons of Own Performance

Pro: - simple to compute

Con: - only animals with phenotypic records get predicted breeding values
 \Rightarrow sex-limited traits (dairy)

- Not taking all information into account.
 e.g. the same trait recorded several times.

Repeated Records:

Animal	Weight				mean
	t_1	t_2	t_3	$\dots t_m$	
1	275	277			$\bar{y}_i = \frac{1}{m} \sum_{k=1}^m y_{ik}$
2	305	305			
\vdots					
n					

$\hat{u}_i = b_r(\tilde{y}_i - \mu)$

Annotations: Red arrows from t_1 to t_2 and t_2 to t_3 are labeled "different". Green arrows from t_1 to t_2 and t_2 to t_3 are labeled "same". A green arrow from the bottom of the table to the bottom of the table is labeled "pe".

Regression Coefficient b_r