

## 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 $t_1$	$t_2$	$t_3$	... $t_m$	mean	
					$\tilde{y}_i$	$\tilde{y}_i = \frac{1}{m} \sum_{k=1}^m y_{ik}$
1	275	277			$y_{11}$	
2	305	305	--		$y_{21}$	
$\vdots$					$y_{i1}$	
$n$					$y_{n1}$	

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