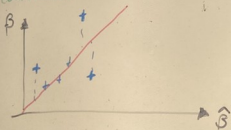## Accuracy:

☐ Fixed effects β: Error is defined as $\beta - \hat{\beta}$
where β is the true value of the fixed effect ⟹ unknown
and $\hat{\beta}$ is the estimate from MME

☐ Error can either be positive or negative, simple summation
leads to cancellation of positive and negative error
contributions

☐ Solution: look at error variance instead of
error.

$$var(\beta - \hat{\beta}) = \underbrace{var(\beta)}_{=0} - \underbrace{2\,cov(\beta, \hat{\beta})}_{=0} + var(\hat{\beta})$$

because β is fixed