

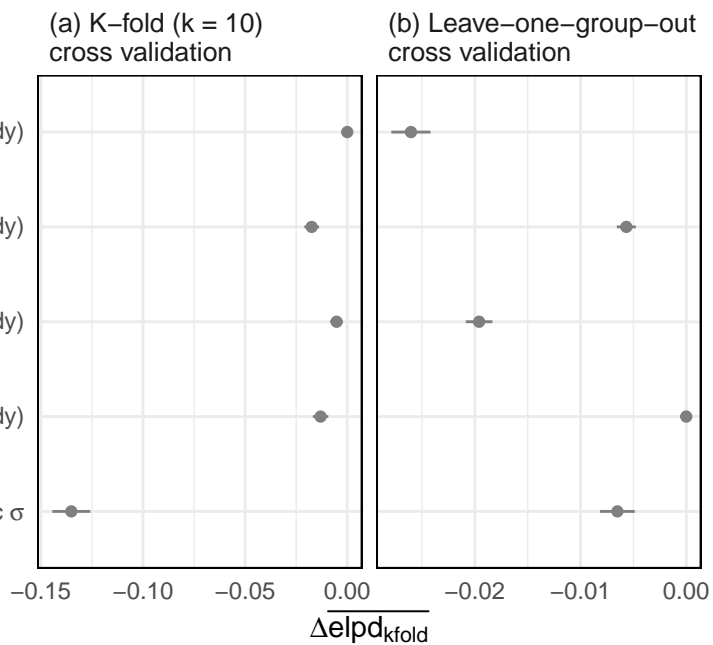
Model for residuals

$$\log(\sigma) = \log(\text{fragment size}) + (\log(\text{fragment size}) | \rho | \text{Study})$$

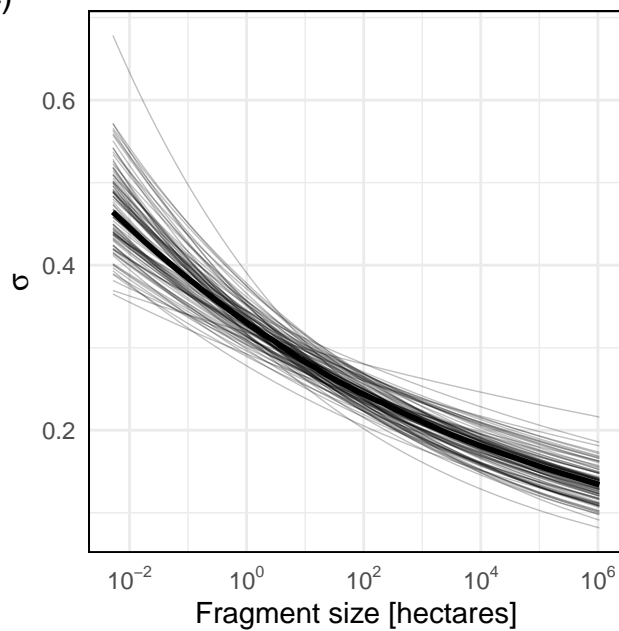
$$\log(\sigma) = 1 + (1 | \rho | \text{Study})$$

$$\log(\sigma) = \log(\text{fragment size}) + (\log(\text{fragment size}) | \text{Study})$$

$$\log(\sigma) = 1 + (1 | \text{Study})$$

Homoscedastic σ 

(c)



(d)

