Figure 2

(a) K-fold (k = 10) cross validation

(b) Leave-one-group-out cross validation

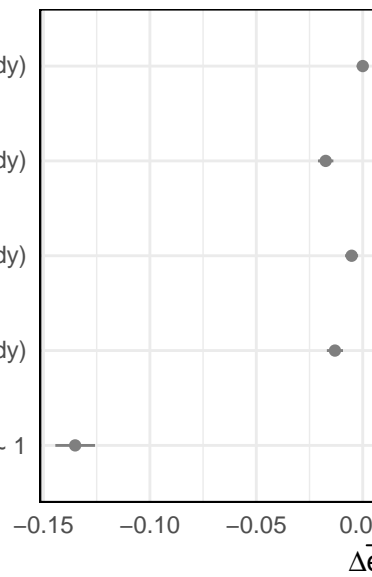Model 2.5: $\log(\sigma) = \log(\text{fragment size}) + (\log(\text{fragment size}) |\rho| \text{ Study})$

Model 2.4: $\log(\sigma) = 1 + (1 |\rho| \text{ Study})$

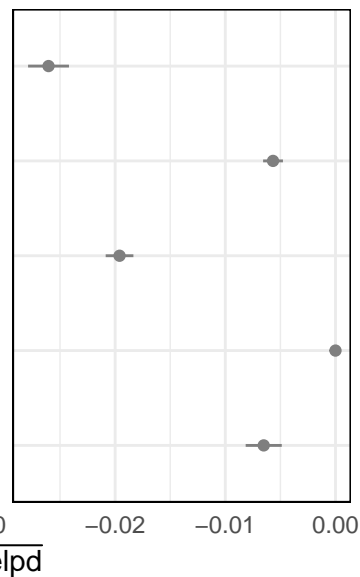Model 2.3: $\log(\sigma) = \log(\text{fragment size}) + (\log(\text{fragment size}) | \text{ Study})$

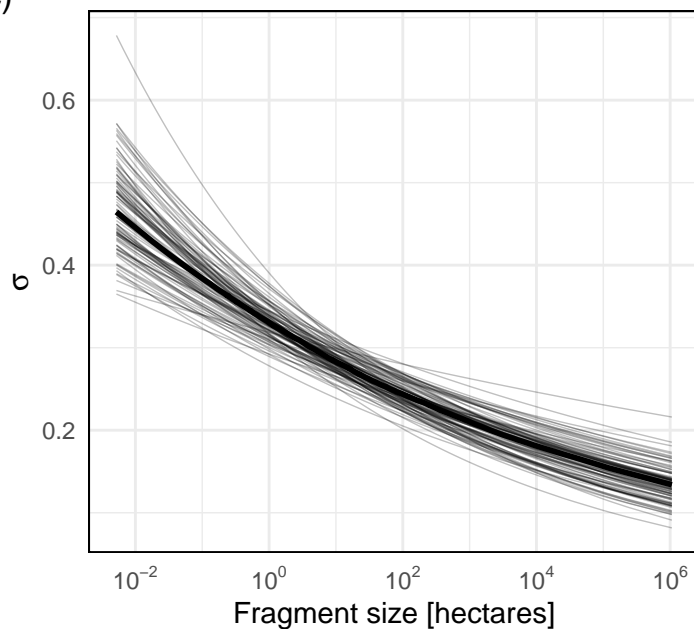Model 2.2: $\log(\sigma) = 1 + (1 | \text{ Study})$

Model 2.1: $\sigma \sim 1$

Model

$\Delta\overline{\text{elpd}}$

(c)

σ

Fragment size [hectares]

(d)

Taxon group

plants — $n_{\text{study}} = 17$

mammals — $n_{\text{study}} = 23$

invertebrates — $n_{\text{study}} = 54$

birds — $n_{\text{study}} = 15$

amphibians & reptiles — $n_{\text{study}} = 14$

σ