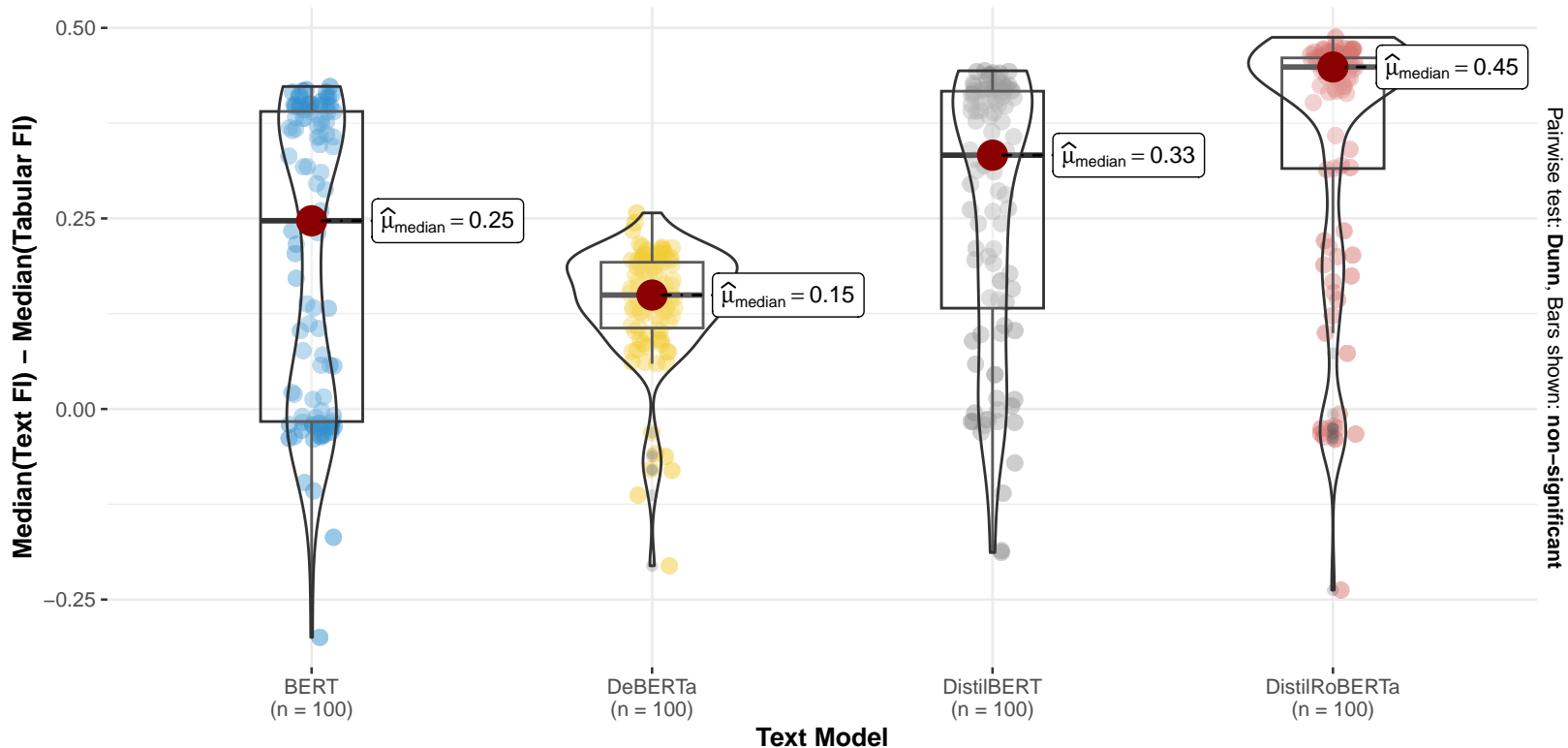# Are Text or Tabular Features Assigned More Importance?, Difference in Median Feature Importance (SHAP), by Text Model

$\chi^2_{\text{Kruskal-Wallis}}(3) = 104.10, p = 2.04\text{e}{-}22, \hat{\epsilon}^2_{\text{ordinal}} = 0.26, \text{CI}_{95\%} [0.18, 1.00], n_{\text{obs}} = 400$

Pairwise test: **Dunn**, Bars shown: **non-significant**

$\hat{\mu}_{\text{median}} = 0.25$

$\hat{\mu}_{\text{median}} = 0.15$

$\hat{\mu}_{\text{median}} = 0.33$

$\hat{\mu}_{\text{median}} = 0.45$

Median(Text FI) − Median(Tabular FI) (y-axis)

Text Model (x-axis)

BERT (n = 100) DeBERTa (n = 100) DistilBERT (n = 100) DistilRoBERTa (n = 100)

Dataset: fake Combination Method: WE (w=.50)