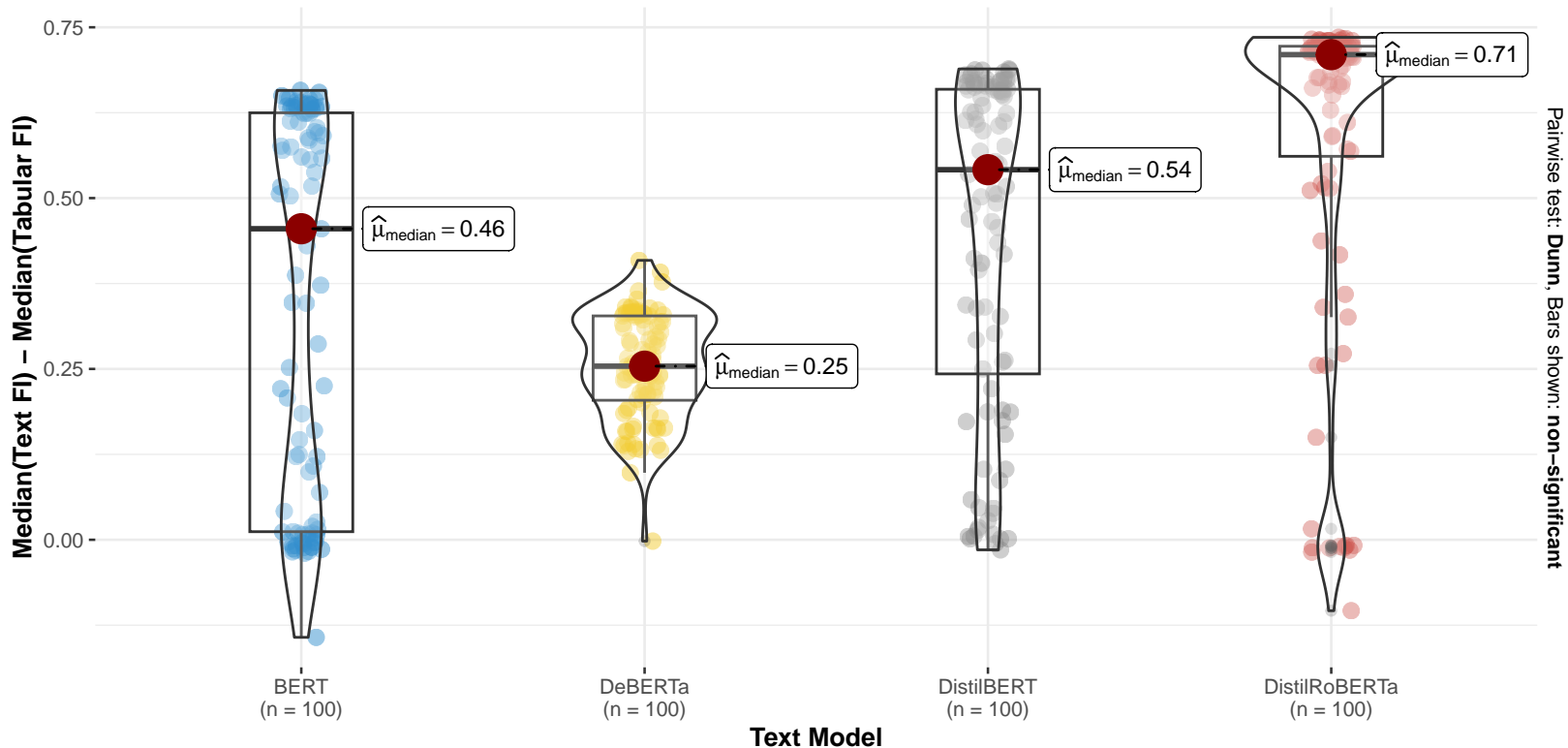# Are Text or Tabular Features Assigned More Importance?, Difference in Median Feature Importance (SHAP), by Text Model

$\chi^2_{\text{Kruskal-Wallis}}(3) = 111.13$, $p = 6.27\text{e}{-}24$, $\hat{\epsilon}^2_{\text{ordinal}} = 0.28$, $\text{CI}_{95\%}$ [0.21, 1.00], $n_{\text{obs}} = 400$

Y-axis: **Median(Text FI) – Median(Tabular FI)**

X-axis: **Text Model**

- BERT (n = 100): $\hat{\mu}_{\text{median}} = 0.46$
- DeBERTa (n = 100): $\hat{\mu}_{\text{median}} = 0.25$
- DistilBERT (n = 100): $\hat{\mu}_{\text{median}} = 0.54$
- DistilRoBERTa (n = 100): $\hat{\mu}_{\text{median}} = 0.71$

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

Dataset: fake Combination Method: WE (w=.75)