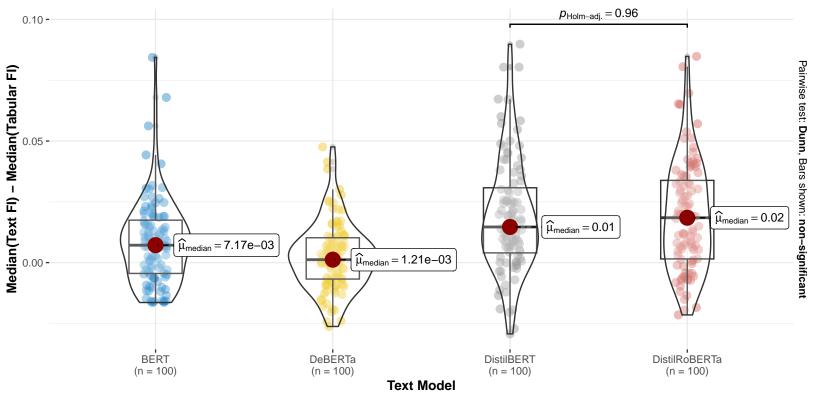# Are Text or Tabular Features Assigned More Importance?,
Difference in Median Feature Importance (SHAP), by Text Model

$\chi^2_{\text{Kruskal-Wallis}}(3) = 46.15, p = 5.27e{-}10, \hat{\epsilon}^2_{\text{ordinal}} = 0.12, \text{CI}_{95\%} [0.07, 1.00], n_{\text{obs}} = 400$

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

Text Model (x-axis)

$p_{\text{Holm-adj.}} = 0.96$

$\hat{\mu}_{\text{median}} = 7.17e{-}03$

$\hat{\mu}_{\text{median}} = 1.21e{-}03$

$\hat{\mu}_{\text{median}} = 0.01$

$\hat{\mu}_{\text{median}} = 0.02$

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

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

Dataset: airbnb Combination Method: WE (w=.25)