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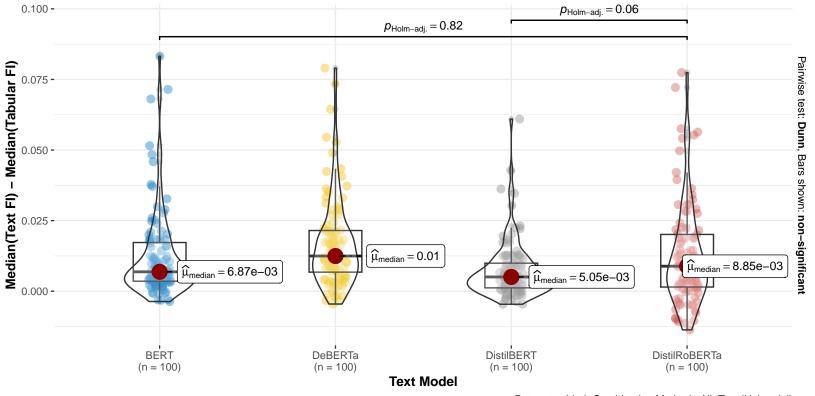**Difference in Median Feature Importance (SHAP), by Text Model**

$\chi^2_{\text{Kruskal-Wallis}}(3) = 25.80$, $p = 1.05e{-}05$, $\hat{\epsilon}^2_{\text{ordinal}} = 0.06$, $CI_{95\%}$ [0.04, 1.00], $n_{\text{obs}} = 400$

$p_{\text{Holm-adj.}} = 0.82$

$p_{\text{Holm-adj.}} = 0.06$

Median(Text FI) − Median(Tabular FI)

0.100

0.075

0.050

0.025

0.000

$\hat{\mu}_{\text{median}} = 6.87e{-}03$

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

$\hat{\mu}_{\text{median}} = 5.05e{-}03$

$\hat{\mu}_{\text{median}} = 8.85e{-}03$

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

BERT
(n = 100)

DeBERTa
(n = 100)

DistilBERT
(n = 100)

DistilRoBERTa
(n = 100)

Text Model

Dataset: airbnb Combination Method: All−Text (Unimodal)