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

$\chi^2_{\text{Kruskal-Wallis}}(3) = 139.02, p = 6.14e{-}30, \widehat{\epsilon}^2_{\text{ordinal}} = 0.35, \text{CI}_{95\%} [0.27, 1.00], n_{\text{obs}} = 400$

$p_{\text{Holm-adj.}} = 0.26$

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

$\widehat{\mu}_{\text{median}} = 7.71e{-}04$

$\widehat{\mu}_{\text{median}} = 8.53e{-}03$

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

$\widehat{\mu}_{\text{median}} = 6.83e{-}04$

BERT
(n = 100)

DeBERTa
(n = 100)

DistilBERT
(n = 100)

DistilRoBERTa
(n = 100)

Text Model

Median(Text FI) − Median(Tabular FI)

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