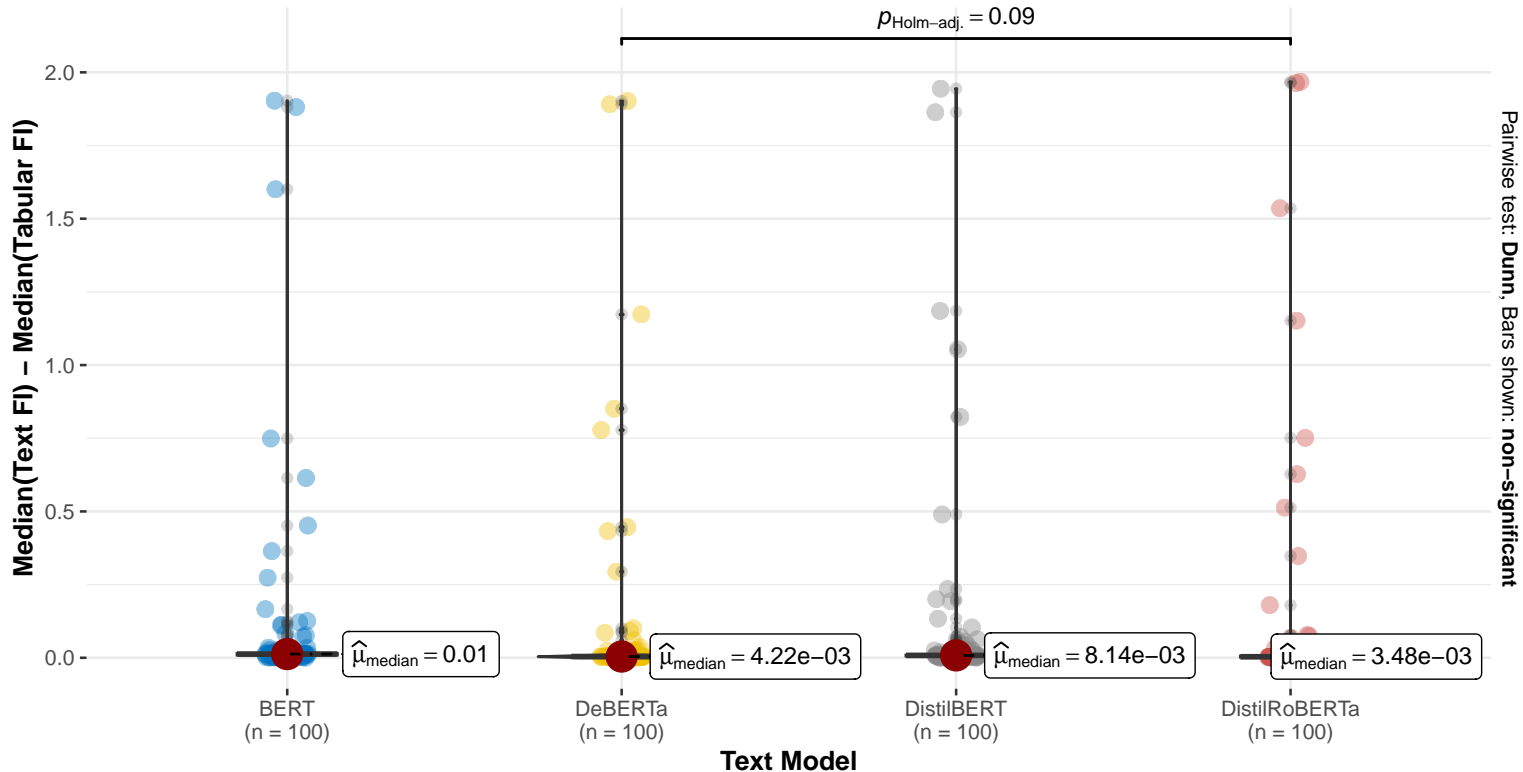# Are Text or Tabular Features Assigned More Importance?, Difference in Median Feature Importance (SHAP), by Combination Method

$\chi^2_{\text{Kruskal-Wallis}}(3) = 70.57, p = 3.22\text{e}{-15}, \widehat{\epsilon}^2_{\text{ordinal}} = 0.18, \text{CI}_{95\%} [0.12, 1.00], n_{\text{obs}} = 400$

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

$p_{\text{Holm-adj.}} = 0.09$

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

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

$\widehat{\mu}_{\text{median}} = 4.22\text{e}{-03}$

$\widehat{\mu}_{\text{median}} = 8.14\text{e}{-03}$

$\widehat{\mu}_{\text{median}} = 3.48\text{e}{-03}$

BERT
(n = 100)

DeBERTa
(n = 100)

DistilBERT
(n = 100)

DistilRoBERTa
(n = 100)

Text Model

Dataset: jigsaw Combination Method: All−Text