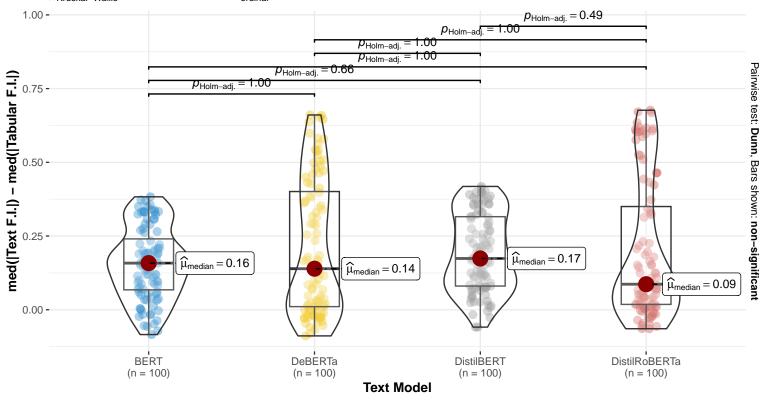# Are Text or Tabular Features Assigned More Importance?, Difference in Median Absolute Feature Importance (SHAP), by Combination Method

$\chi^2_{\text{Kruskal-Wallis}}(3) = 3.58$, $p = 0.31$, $\hat{\epsilon}^2_{\text{ordinal}} = 8.98\text{e}{-}03$, $\text{CI}_{95\%}$ [$2.84\text{e}{-}03$, 1.00], $n_{\text{obs}} = 400$

$p_{\text{Holm-adj.}} = 0.49$
$p_{\text{Holm-adj.}} = 1.00$
$p_{\text{Holm-adj.}} = 1.00$
$p_{\text{Holm-adj.}} = 1.00$
$p_{\text{Holm-adj.}} = 0.66$
$p_{\text{Holm-adj.}} = 1.00$

$\hat{\mu}_{\text{median}} = 0.16$
$\hat{\mu}_{\text{median}} = 0.14$
$\hat{\mu}_{\text{median}} = 0.17$
$\hat{\mu}_{\text{median}} = 0.09$

med(|Text F.I.|) − med(|Tabular F.I.|)

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

Text Model

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

Dataset: imdb_genre Combination Method: WE (w=.50)