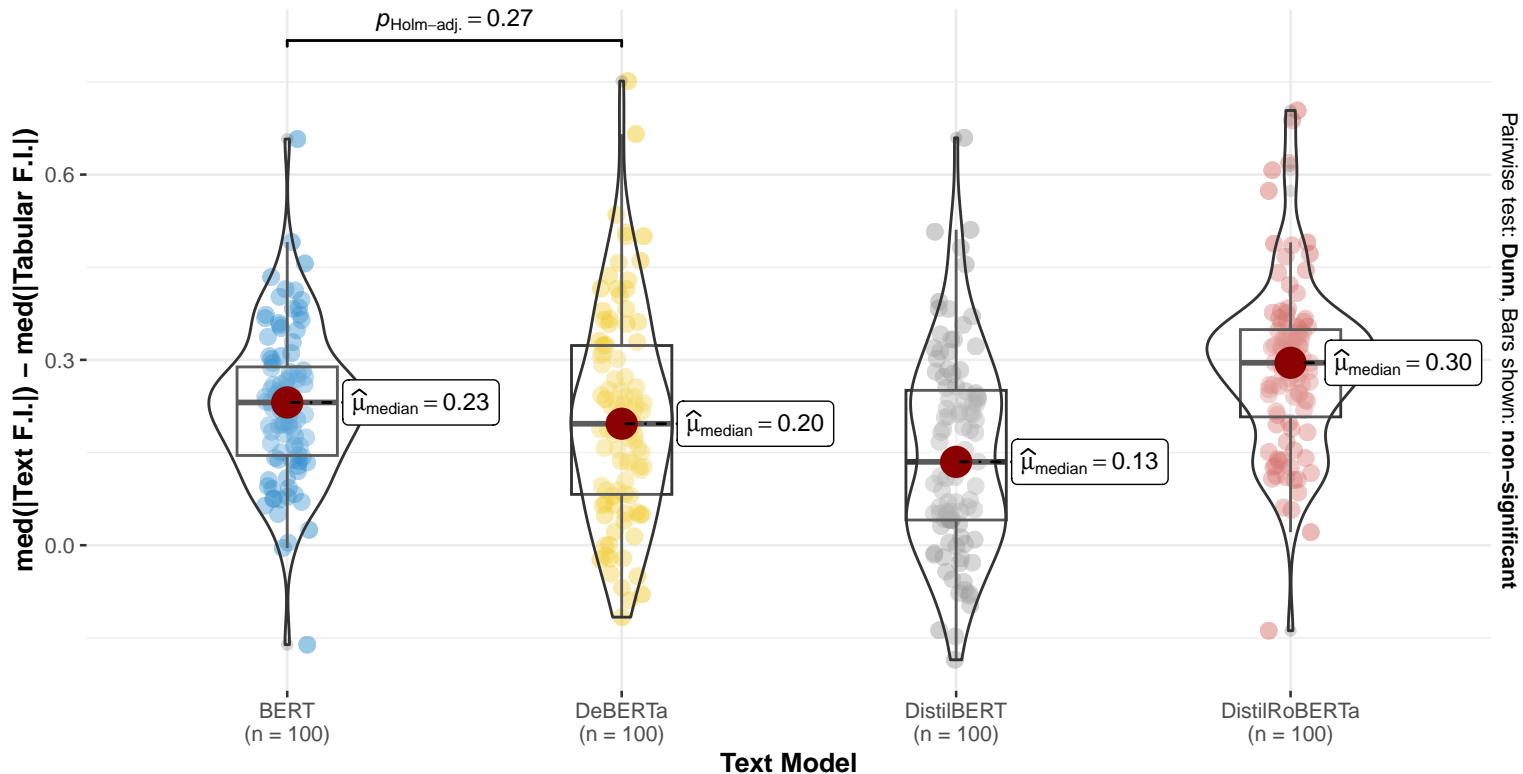# Are Text or Tabular Features Assigned More Importance?,
Difference in Median Absolute Feature Importance (SHAP), by Combination Method

$\chi^2_{\text{Kruskal-Wallis}}(3) = 43.84$, $p = 1.63e{-}09$, $\widehat{\varepsilon}^2_{\text{ordinal}} = 0.11$, $\text{CI}_{95\%}$ [0.08, 1.00], $n_{\text{obs}} = 400$

$p_{\text{Holm-adj.}} = 0.27$

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

$\widehat{\mu}_{\text{median}} = 0.23$

$\widehat{\mu}_{\text{median}} = 0.20$

$\widehat{\mu}_{\text{median}} = 0.13$

$\widehat{\mu}_{\text{median}} = 0.30$

0.6

0.3

0.0

BERT
(n = 100)

DeBERTa
(n = 100)

DistilBERT
(n = 100)

DistilRoBERTa
(n = 100)

Text Model

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

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