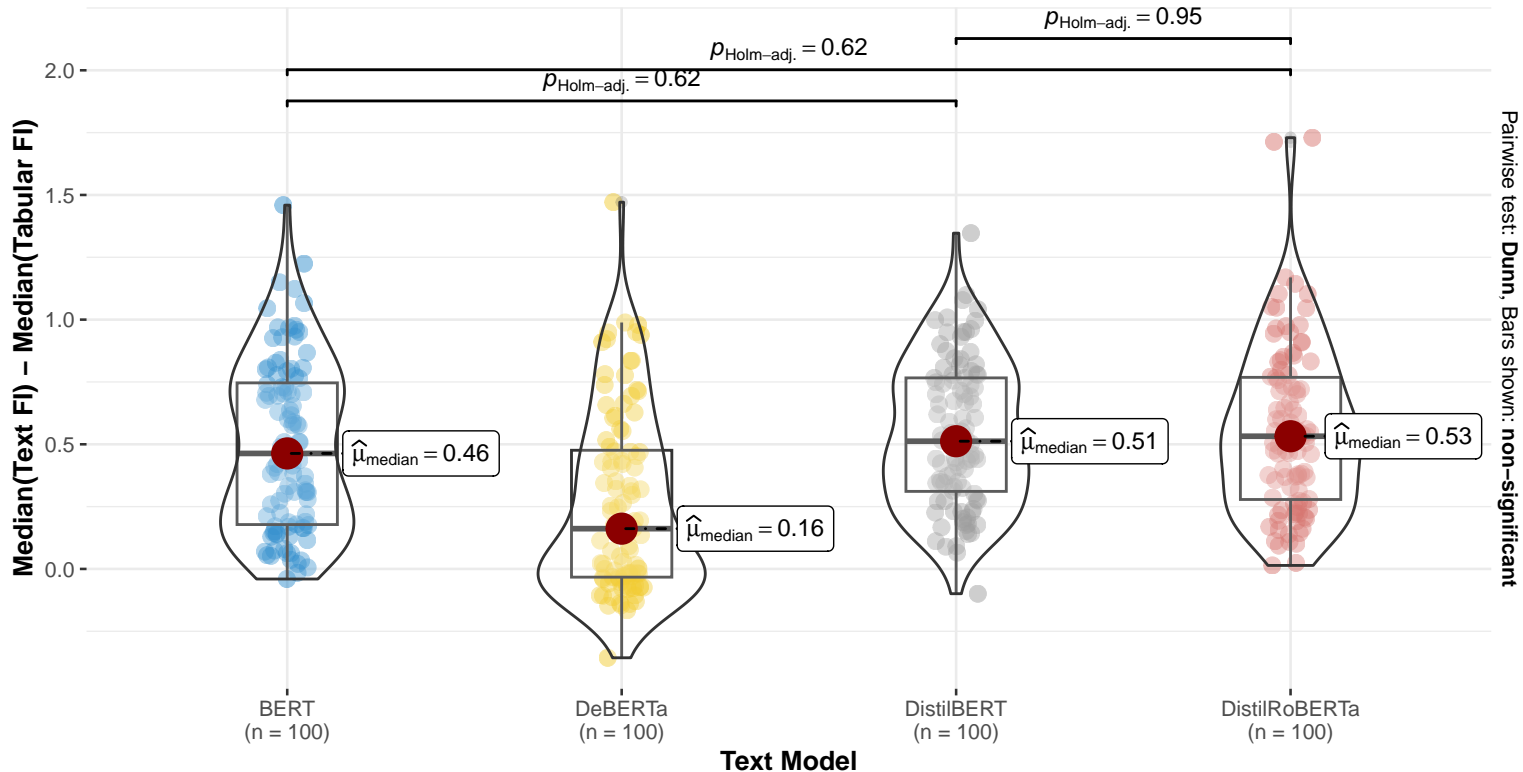# Are Text or Tabular Features Assigned More Importance?,
Difference in Median Feature Importance (SHAP), by Combination Method

$\chi^2_{\text{Kruskal-Wallis}}(3) = 47.53$, $p = 2.68\text{e}{-}10$, $\widehat{\varepsilon}^2_{\text{ordinal}} = 0.12$, $\text{CI}_{95\%}$ [0.07, 1.00], $n_{\text{obs}} = 400$

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

Text Model (x-axis)

$p_{\text{Holm-adj.}} = 0.62$

$p_{\text{Holm-adj.}} = 0.62$

$p_{\text{Holm-adj.}} = 0.95$

$\widehat{\mu}_{\text{median}} = 0.46$

$\widehat{\mu}_{\text{median}} = 0.16$

$\widehat{\mu}_{\text{median}} = 0.51$

$\widehat{\mu}_{\text{median}} = 0.53$

BERT
(n = 100)

DeBERTa
(n = 100)

DistilBERT
(n = 100)

DistilRoBERTa
(n = 100)

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

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