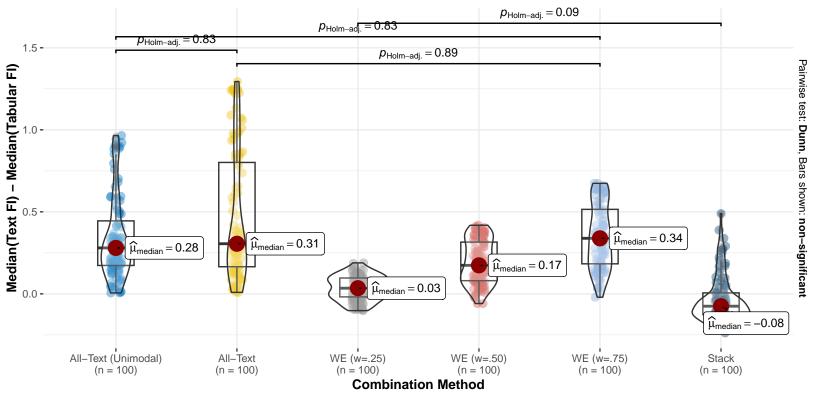# Are Text or Tabular Features Assigned More Importance?, Difference in Median Feature Importance (SHAP), by Combination Method

$\chi^2_{\text{Kruskal-Wallis}}(5) = 303.96$, $p = 1.41\text{e}{-63}$, $\hat{\epsilon}^2_{\text{ordinal}} = 0.51$, $\text{CI}_{95\%}$ [0.46, 1.00], $n_{\text{obs}} = 600$

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

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

$p_{\text{Holm-adj.}} = 0.83$

$p_{\text{Holm-adj.}} = 0.89$

$p_{\text{Holm-adj.}} = 0.83$

$\hat{\mu}_{\text{median}} = 0.28$

$\hat{\mu}_{\text{median}} = 0.31$

$\hat{\mu}_{\text{median}} = 0.03$

$\hat{\mu}_{\text{median}} = 0.17$

$\hat{\mu}_{\text{median}} = 0.34$

$\hat{\mu}_{\text{median}} = -0.08$

Median(Text FI) – Median(Tabular FI)

All–Text (Unimodal) (n = 100) | All–Text (n = 100) | WE (w=.25) (n = 100) | WE (w=.50) (n = 100) | WE (w=.75) (n = 100) | Stack (n = 100)

Combination Method

Dataset: imdb_genre Text Model: DistilBERT