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

$\chi^2_{\text{Kruskal-Wallis}}(5) = 356.04$, $p = 8.77e{-}75$, $\hat{\epsilon}^2_{\text{ordinal}} = 0.15$, $\text{CI}_{95\%}$ [0.12, 1.00], $n_{\text{obs}} = 2{,}400$

Y-axis: med(|Text F.I.|) − med(|Tabular F.I.|)

X-axis: **Combination Method**

- ensemble_25 (n = 400): $\hat{\mu}_{\text{median}} = 2.47e{-}03$
- ensemble_50 (n = 400): $\hat{\mu}_{\text{median}} = 5.21e{-}03$
- ensemble_75 (n = 400): $\hat{\mu}_{\text{median}} = 7.83e{-}03$
- all_text_baseline (n = 400): $\hat{\mu}_{\text{median}} = 0.02$
- all_text_corrected (n = 400): $\hat{\mu}_{\text{median}} = 6.38e{-}03$
- stack (n = 400): $\hat{\mu}_{\text{median}} = 0.03$

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

Dataset: jigsaw