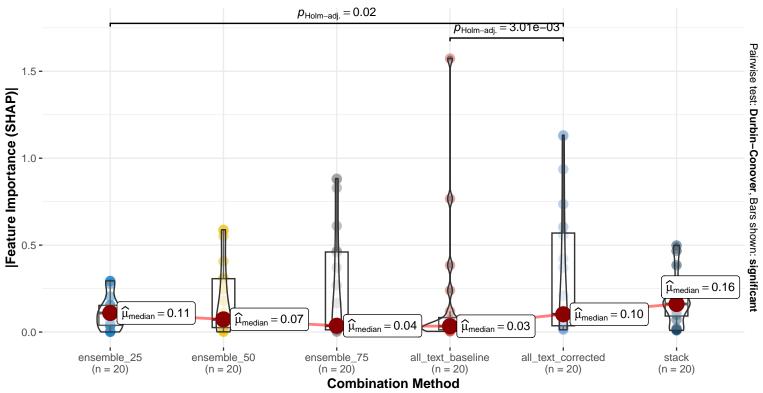# Are the Same Features Always the Most Important?
Absolute Feature Importance (SHAP) Compared, by Combination Method

$\chi^2_{\text{Friedman}}(5) = 16.14$, $p = 6.45\text{e}{-}03$, $\widehat{W}_{\text{Kendall}} = 0.16$, $\text{CI}_{95\%}$ [0.11, 1.00], $n_{\text{pairs}} = 20$

$p_{\text{Holm-adj.}} = 0.02$

$p_{\text{Holm-adj.}} = 3.01\text{e}{-}03$

Pairwise test: **Durbin-Conover**, Bars shown: **significant**

$\widehat{\mu}_{\text{median}} = 0.11$

$\widehat{\mu}_{\text{median}} = 0.07$

$\widehat{\mu}_{\text{median}} = 0.04$

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

$\widehat{\mu}_{\text{median}} = 0.10$

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

|Feature Importance (SHAP)|

Combination Method

ensemble_25 (n = 20) ensemble_50 (n = 20) ensemble_75 (n = 20) all_text_baseline (n = 20) all_text_corrected (n = 20) stack (n = 20)

Dataset: fake