Are the Same Features Always the Most Important? Absolute Feature Importance (SHAP) Comp
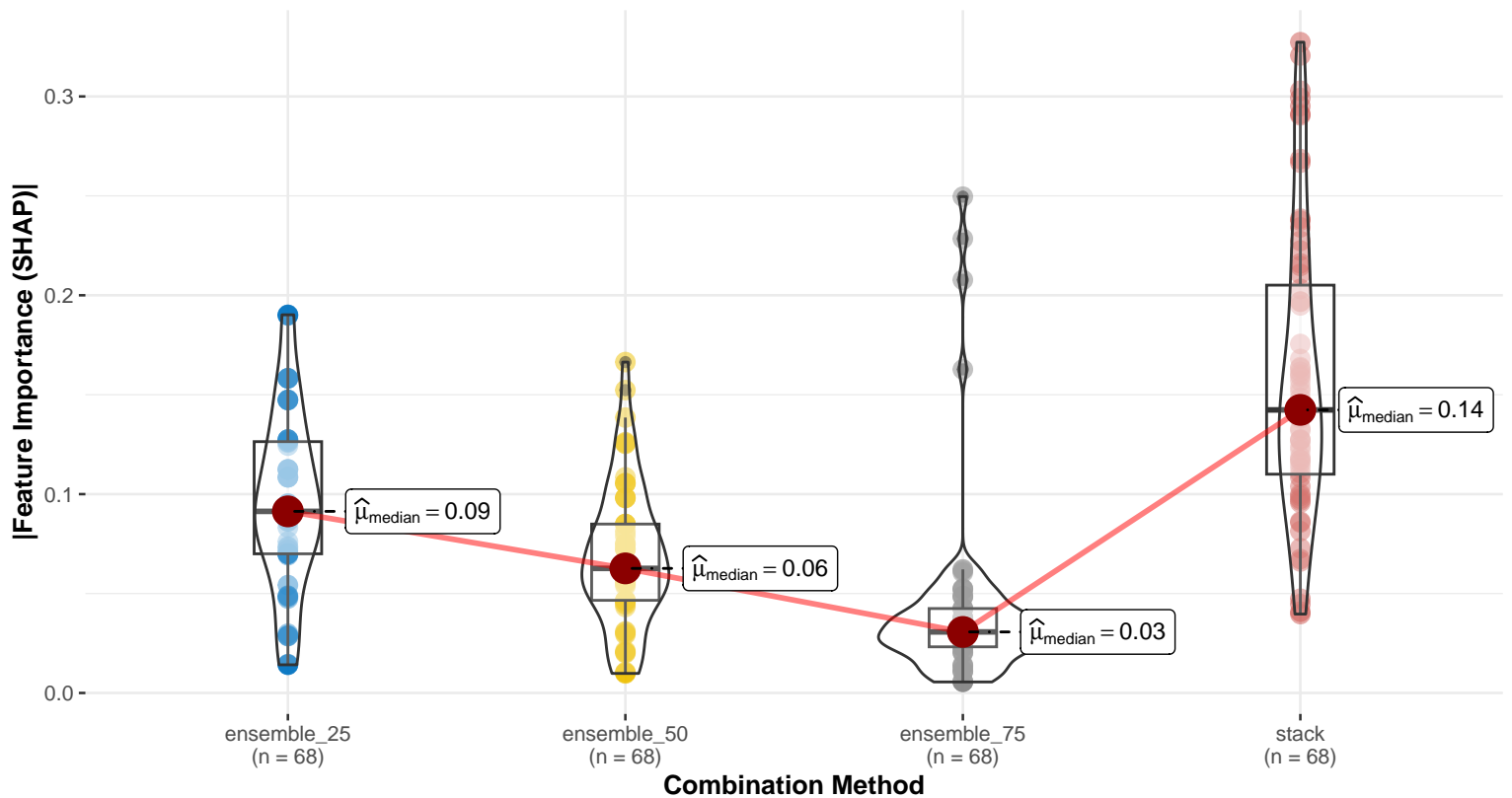
$\chi^2_{\text{Friedman}}(3) = 173.38$, $p = 2.37\text{e}{-}37$, $\widehat{W}_{\text{Kendall}} = 0.85$, $\text{CI}_{95\%}$ [0.70, 1.00], $n_{\text{pairs}} = 68$

Y-axis: **|Feature Importance (SHAP)|**

X-axis: **Combination Method**

- ensemble_25 (n = 68): $\widehat{\mu}_{\text{median}} = 0.09$
- ensemble_50 (n = 68): $\widehat{\mu}_{\text{median}} = 0.06$
- ensemble_75 (n = 68): $\widehat{\mu}_{\text{median}} = 0.03$
- stack (n = 68): $\widehat{\mu}_{\text{median}} = 0.14$

Dataset: channel *all_text_baseline and all_text_corrected models excluded