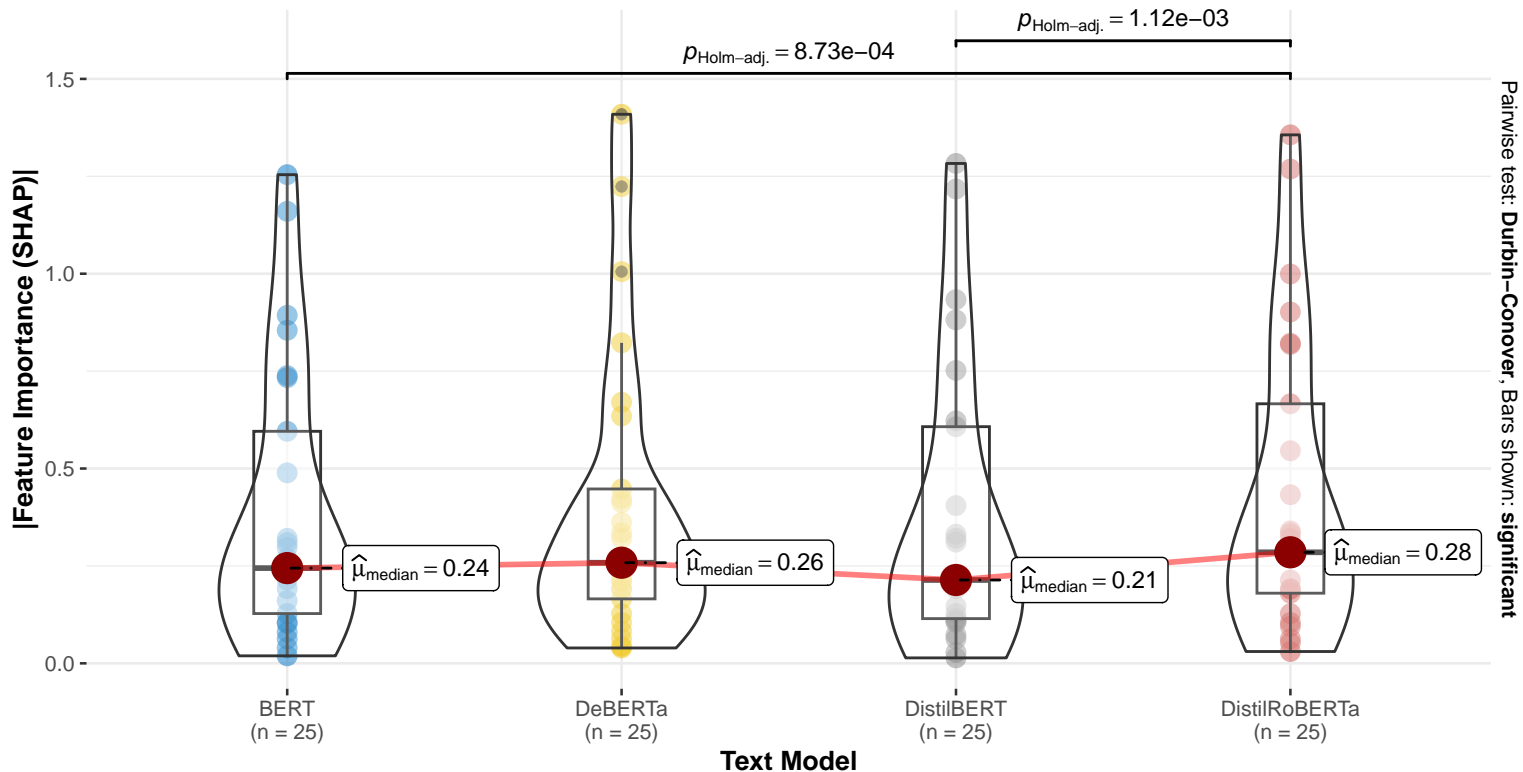# Are the Same Features Always the Most Important?
Absolute Feature Importance (SHAP) Compared, by Text Model

$\chi^2_{\text{Friedman}}(3) = 17.75$, $p = 4.95e{-}04$, $\widehat{W}_{\text{Kendall}} = 0.24$, $CI_{95\%}$ [0.12, 1.00], $n_{\text{pairs}} = 25$

$p_{\text{Holm-adj.}} = 8.73e{-}04$

$p_{\text{Holm-adj.}} = 1.12e{-}03$

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

|Feature Importance (SHAP)|

$\widehat{\mu}_{\text{median}} = 0.24$

$\widehat{\mu}_{\text{median}} = 0.26$

$\widehat{\mu}_{\text{median}} = 0.21$

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

BERT
(n = 25)

DeBERTa
(n = 25)

DistilBERT
(n = 25)

DistilRoBERTa
(n = 25)

Text Model

Dataset: fake