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

$W_{\text{Mann-Whitney}} = 4.81\text{e}{+}05$, $p = 0.14$, $\hat{r}_{\text{biserial}}^{\text{rank}} = -0.04$, $\text{CI}_{95\%}$ [-0.09, 0.01], $n_{\text{obs}} = 2{,}000$

Text Model

Median(Text FI) − Median(Tabular FI)

$\hat{\mu}_{\text{median}} = 0.02$

$\hat{\mu}_{\text{median}} = 0.02$

BERT
(n = 1,000)

PetBERT
(n = 1,000)

Dataset: vet Combination Method: Stack