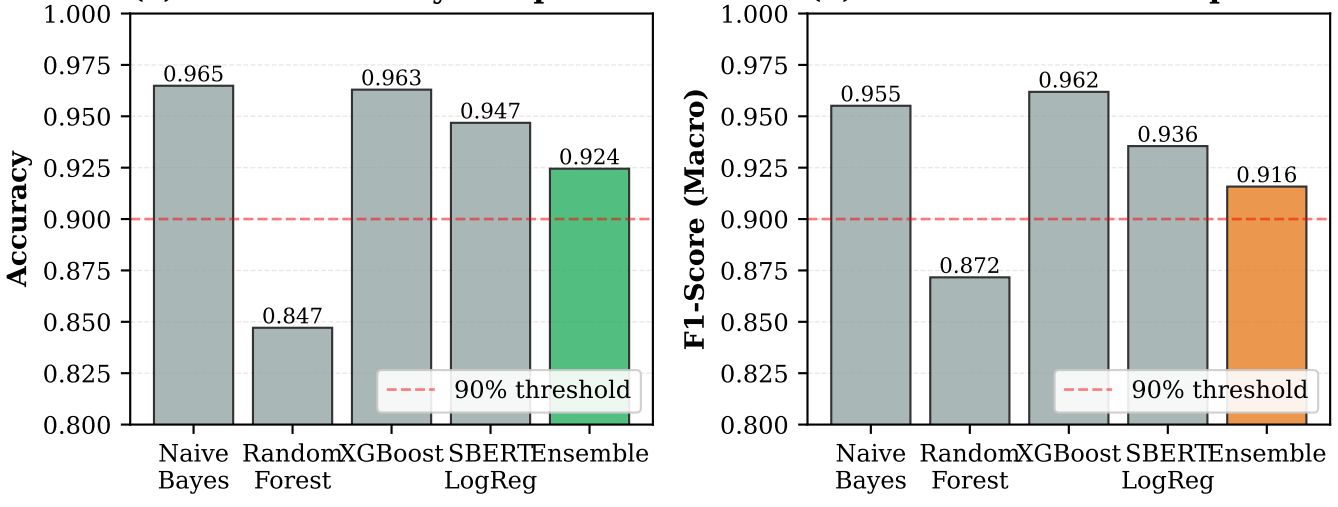
(a) Model Accuracy Comparison
Accuracy
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
0.965
0.847
0.963
0.947
0.924
90% threshold
Naive Bayes
Random Forest
XGBoost
SBERT LogReg
Ensemble
(b) Model F1-Score Comparison
F1-Score (Macro)
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
0.955
0.872
0.962
0.936
0.916
90% threshold
Naive Bayes
Random Forest
XGBoost
SBERT LogReg
Ensemble