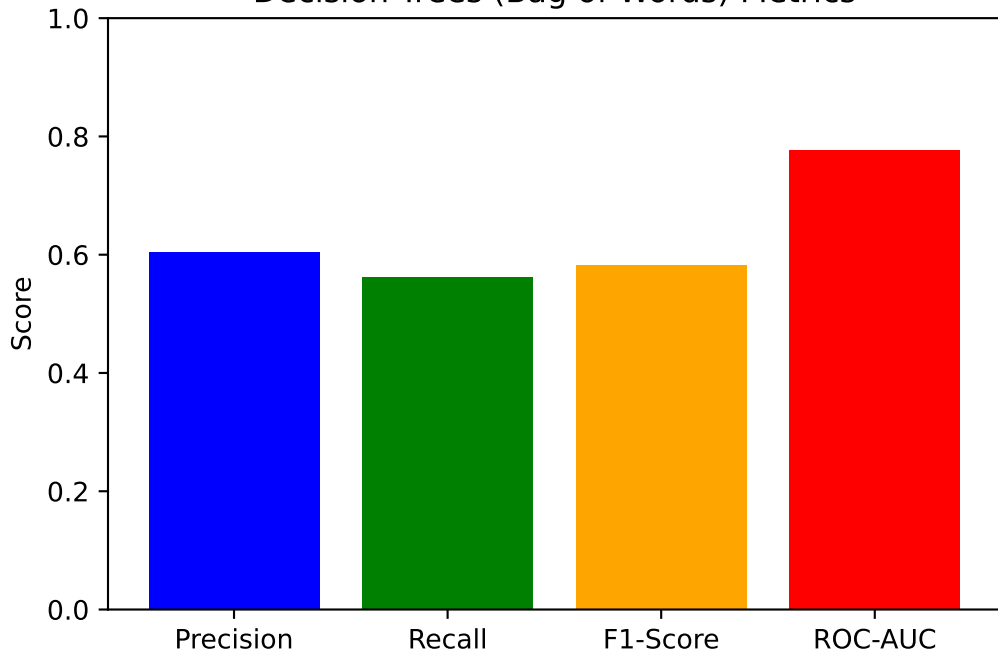
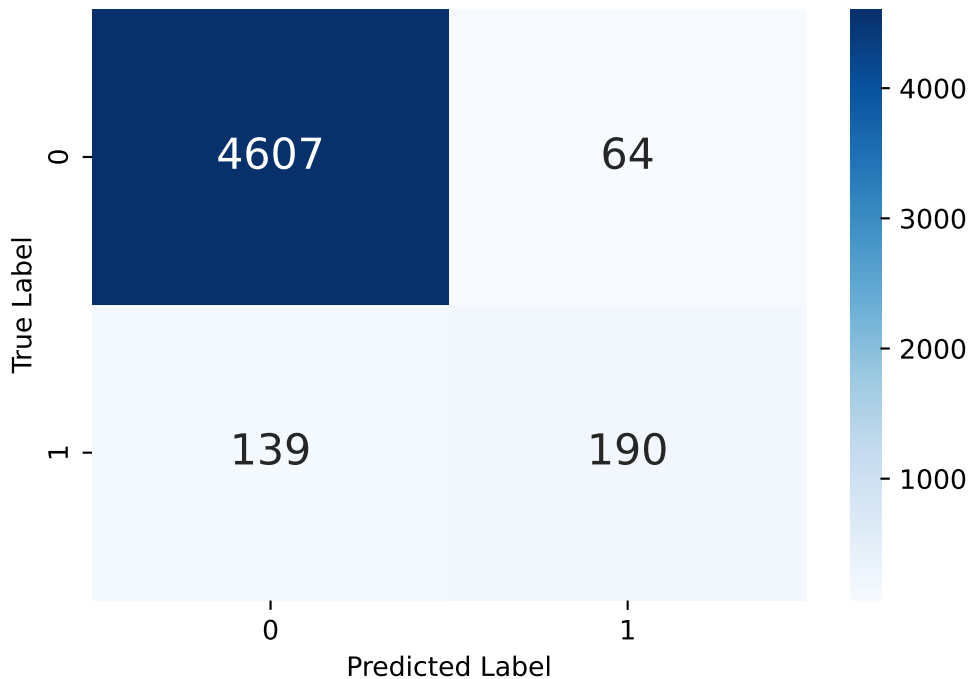


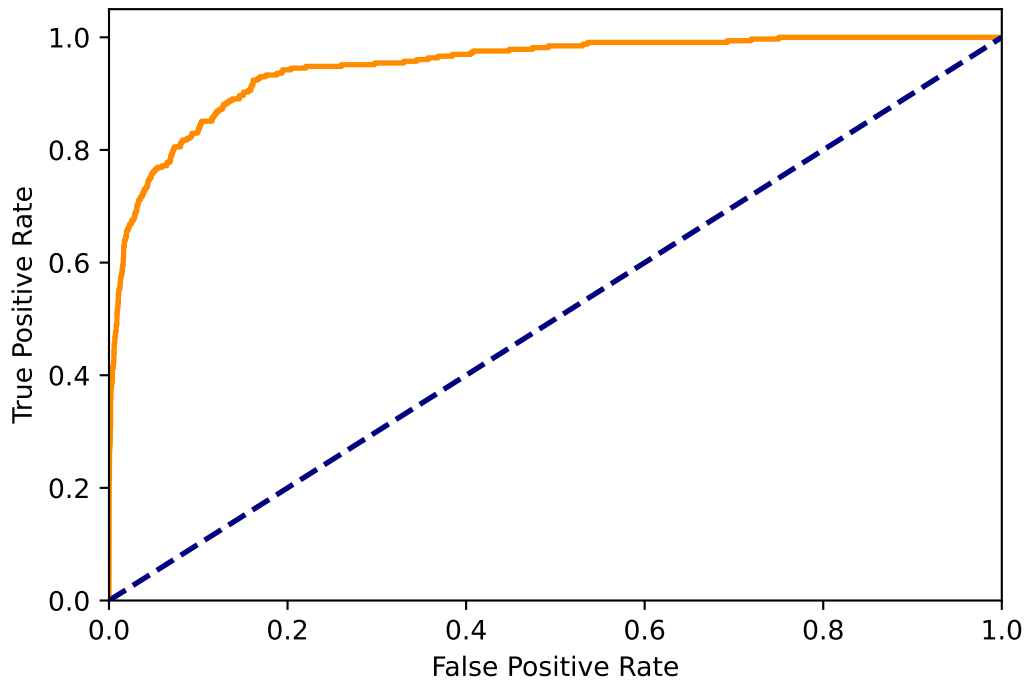
Decision Trees (Bag of Words) Metrics



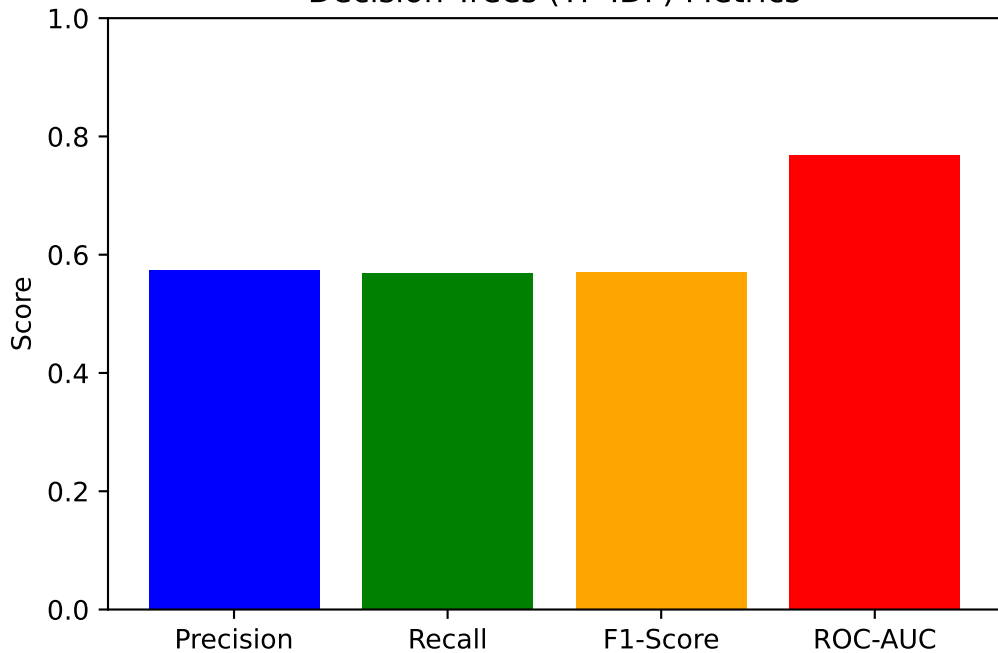
Decision Trees (Bag of Words) Confusion Matrix



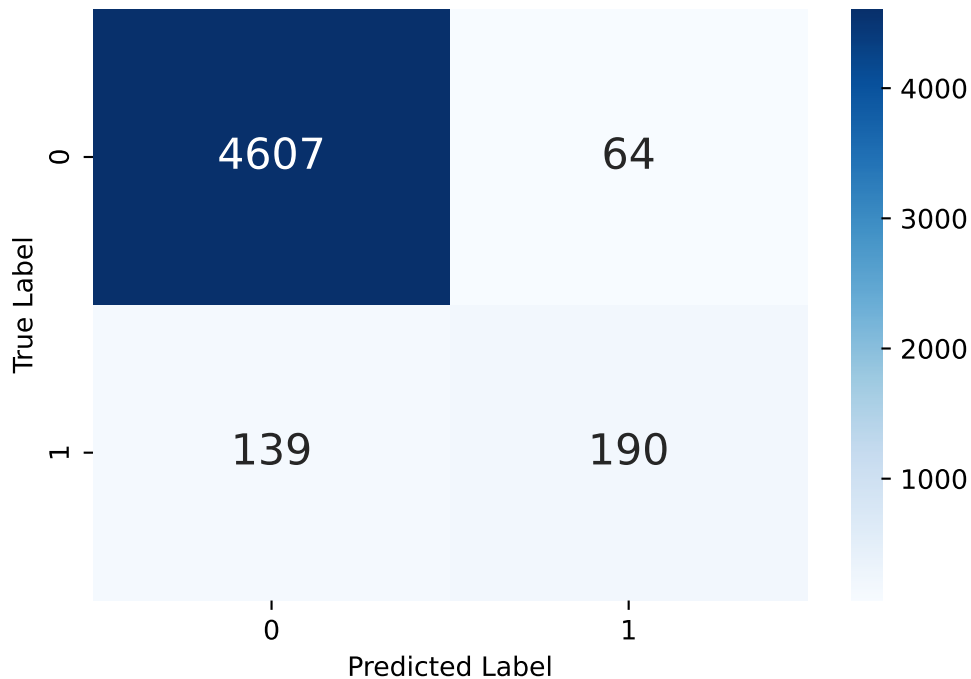
Decision Trees (Bag of Words) ROC Curve



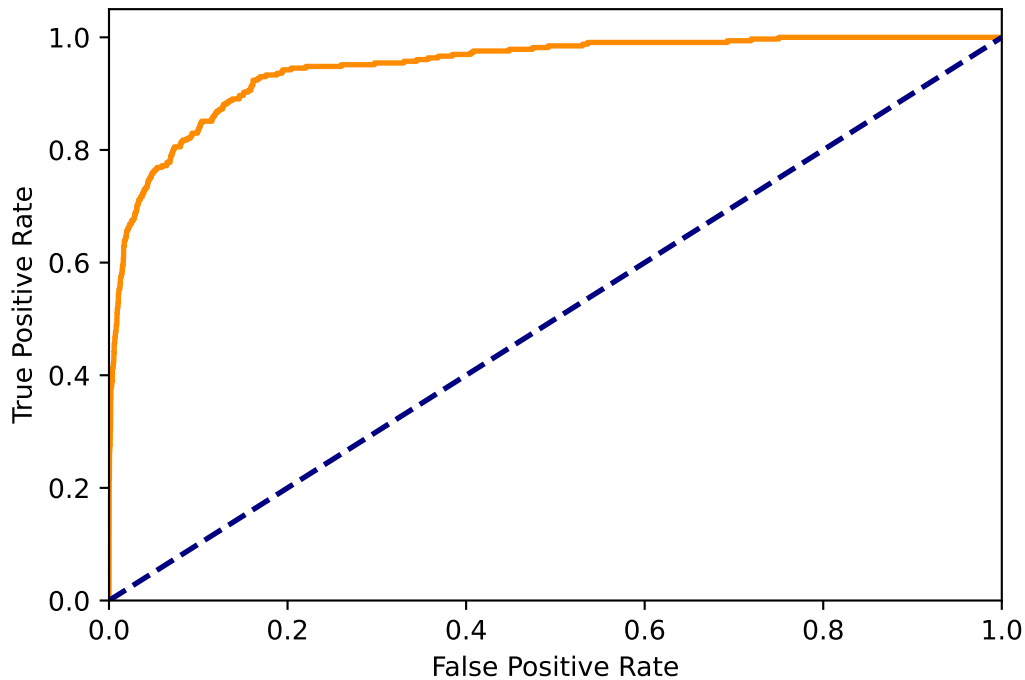
Decision Trees (TF-IDF) Metrics



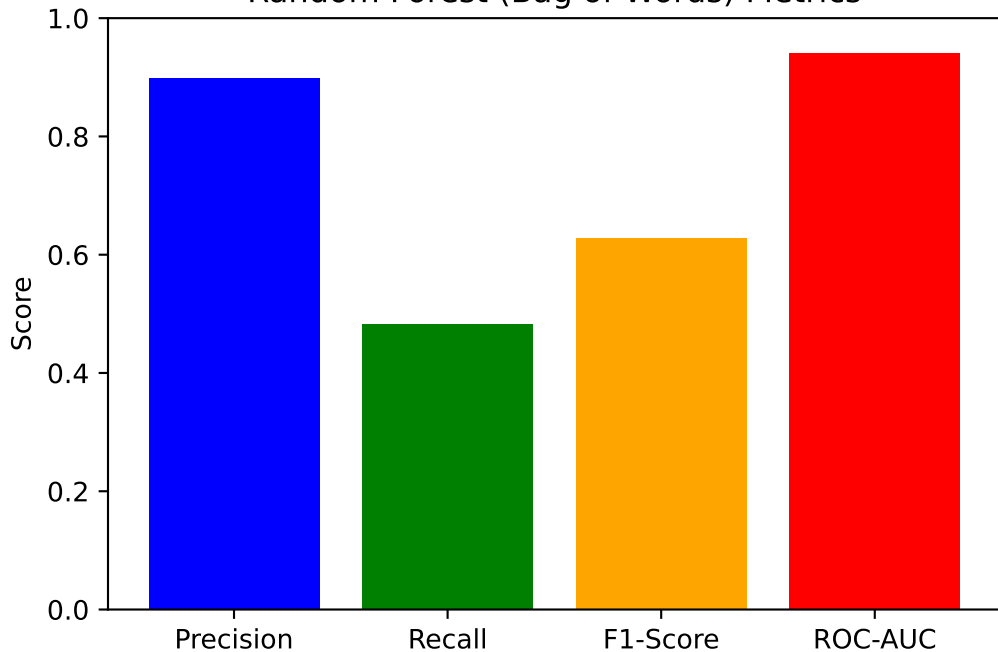
Decision Trees (TF-IDF) Confusion Matrix



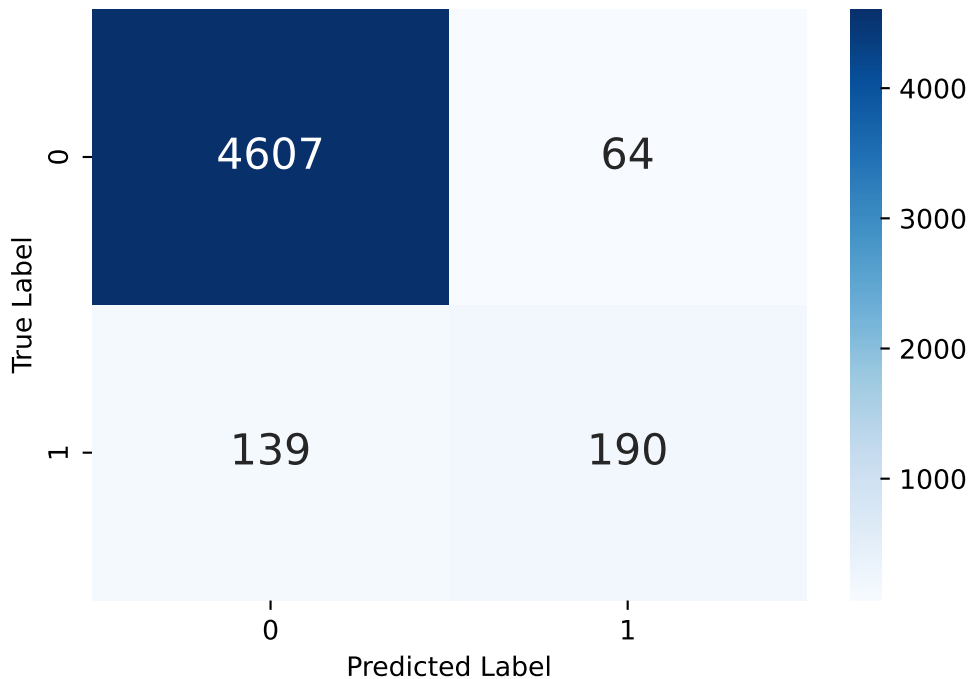
Decision Trees (TF-IDF) ROC Curve



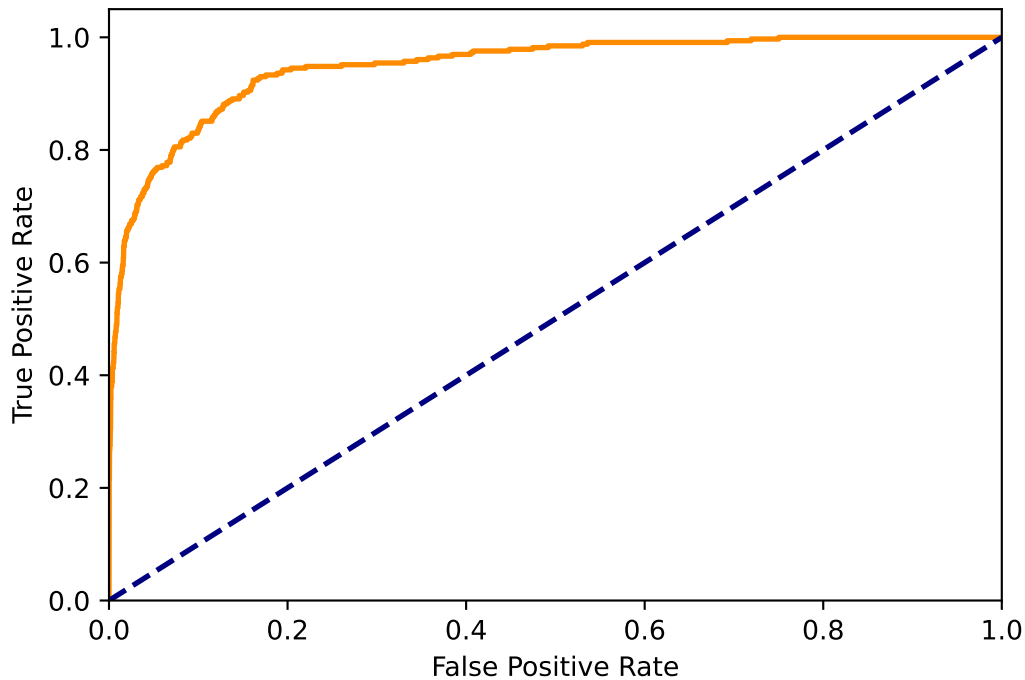
Random Forest (Bag of Words) Metrics



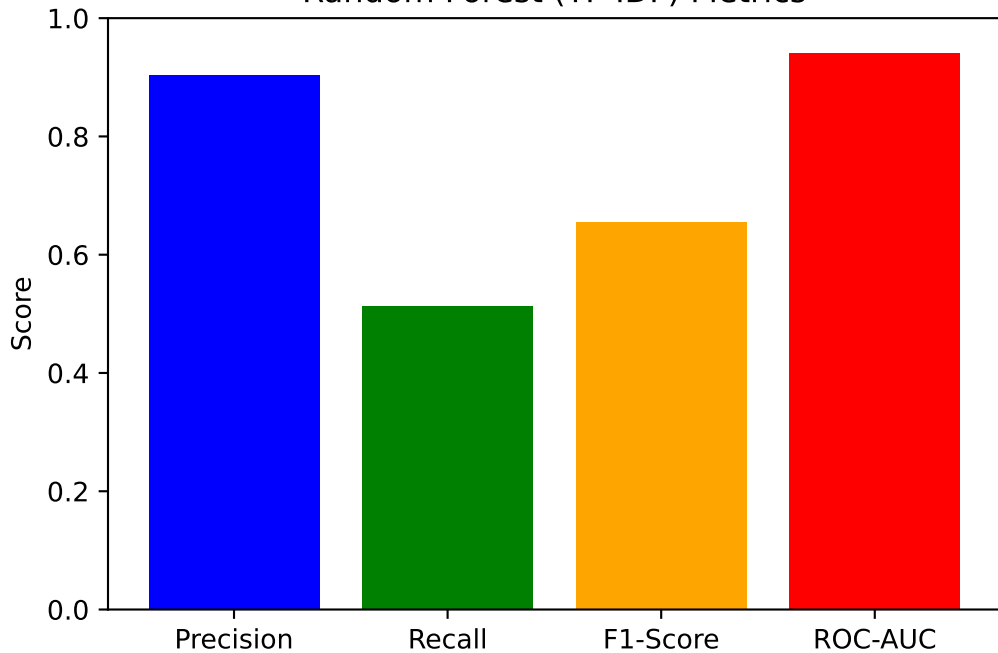
Random Forest (Bag of Words) Confusion Matrix



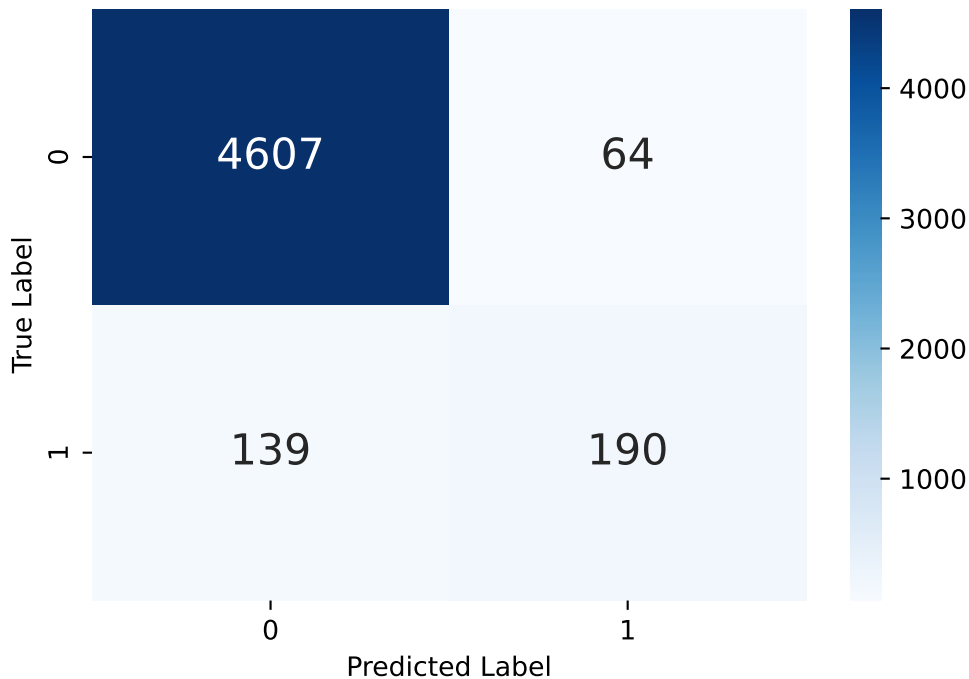
Random Forest (Bag of Words) ROC Curve



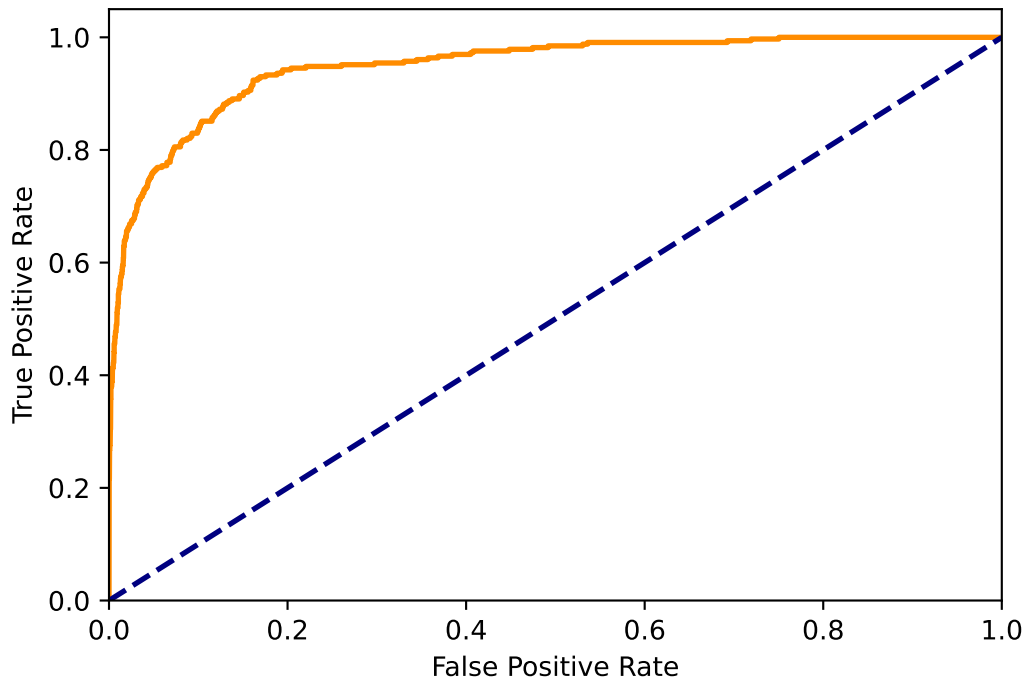
Random Forest (TF-IDF) Metrics



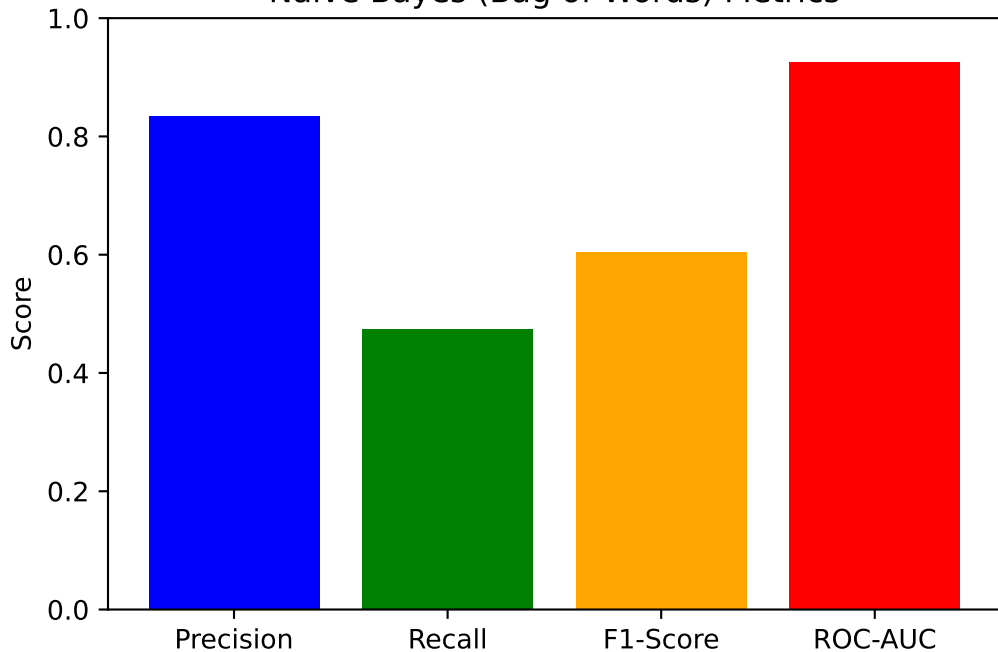
Random Forest (TF-IDF) Confusion Matrix



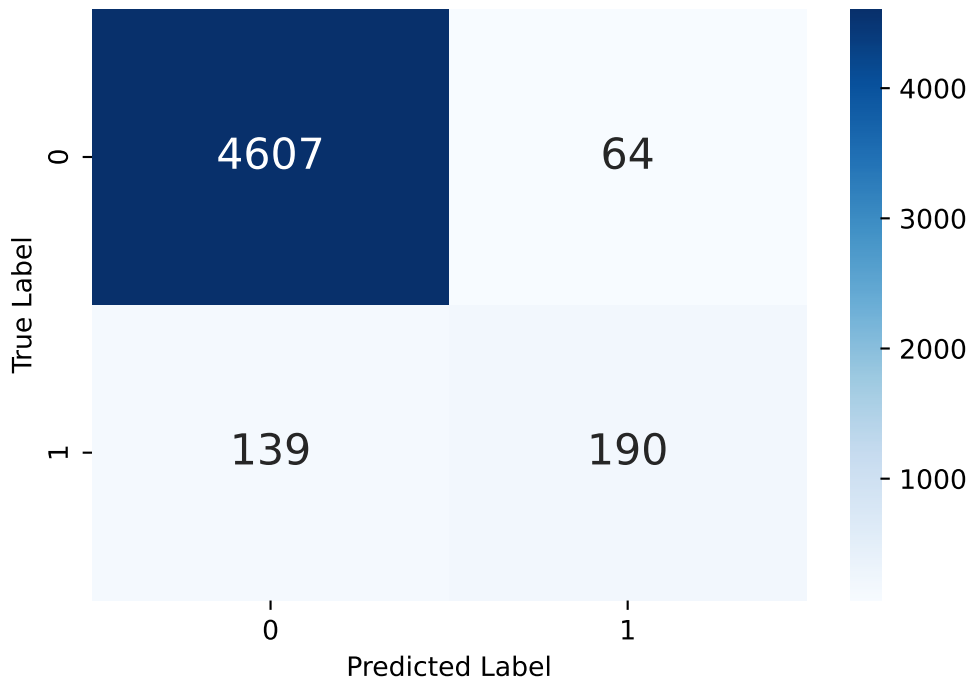
Random Forest (TF-IDF) ROC Curve



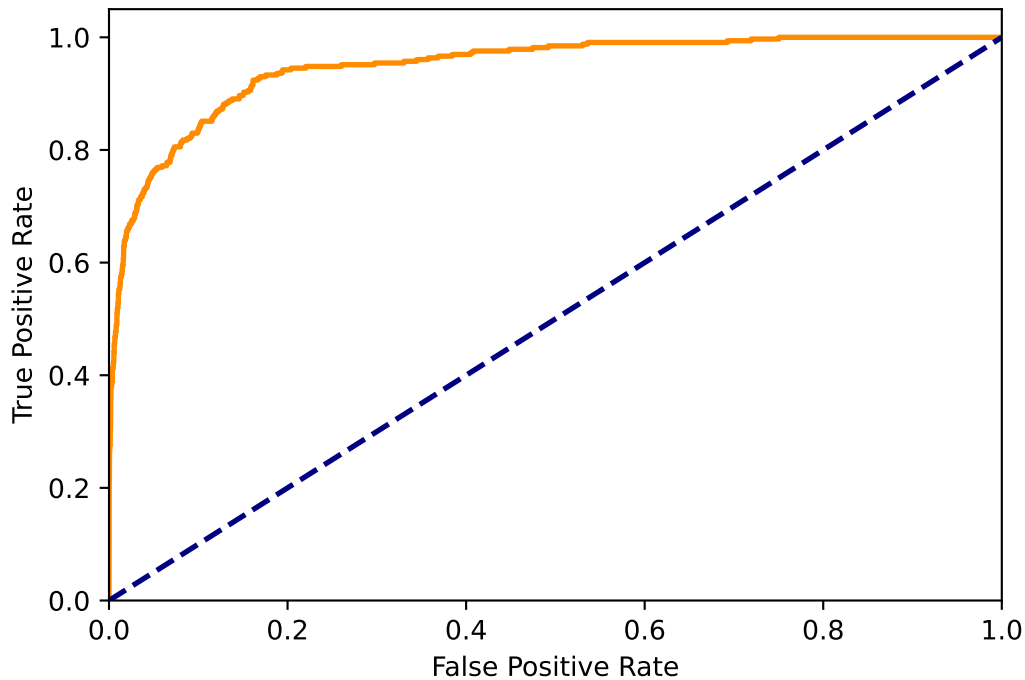
Naive Bayes (Bag of Words) Metrics



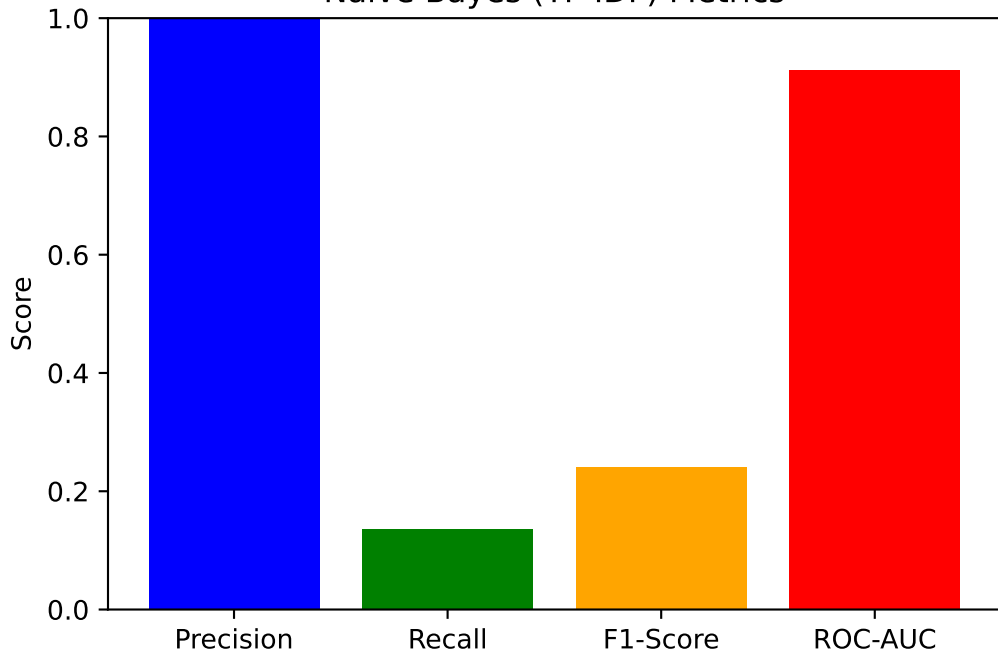
Naive Bayes (Bag of Words) Confusion Matrix



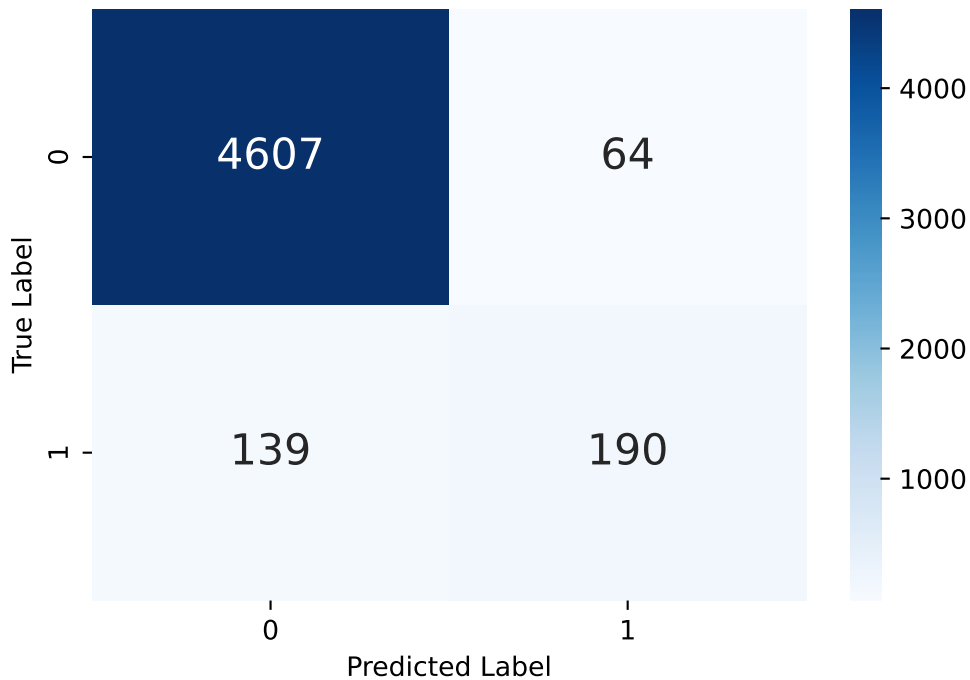
Naive Bayes (Bag of Words) ROC Curve



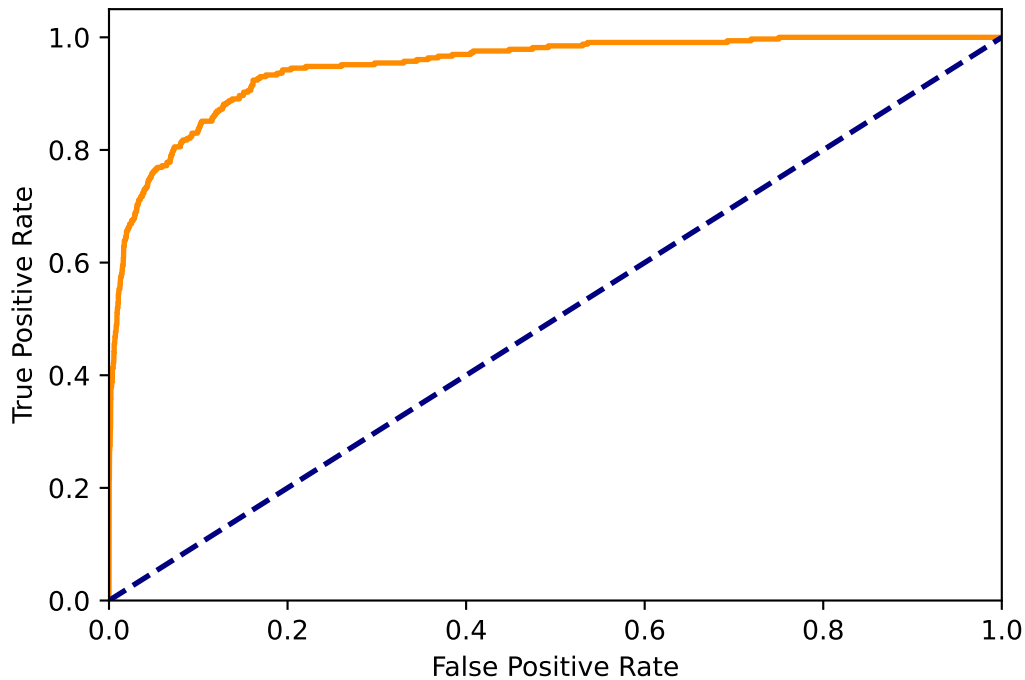
Naive Bayes (TF-IDF) Metrics



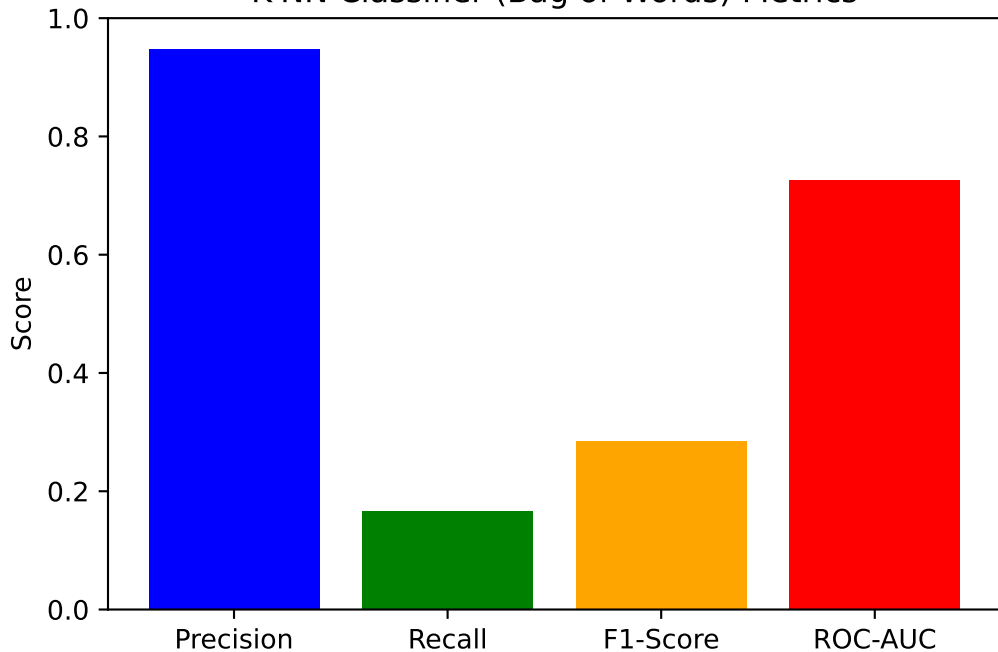
Naive Bayes (TF-IDF) Confusion Matrix



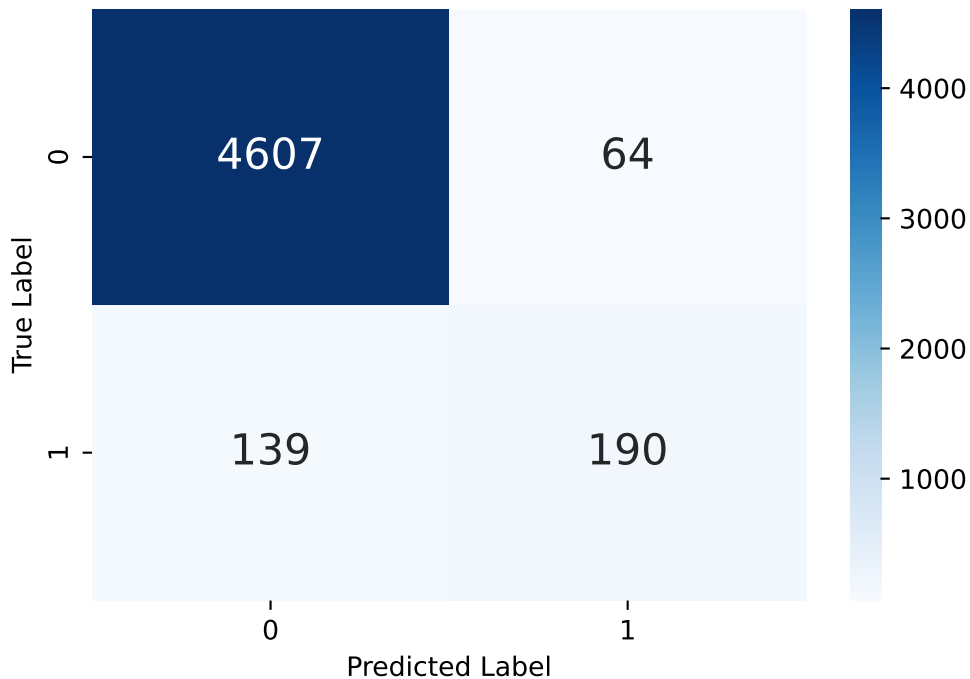
Naive Bayes (TF-IDF) ROC Curve



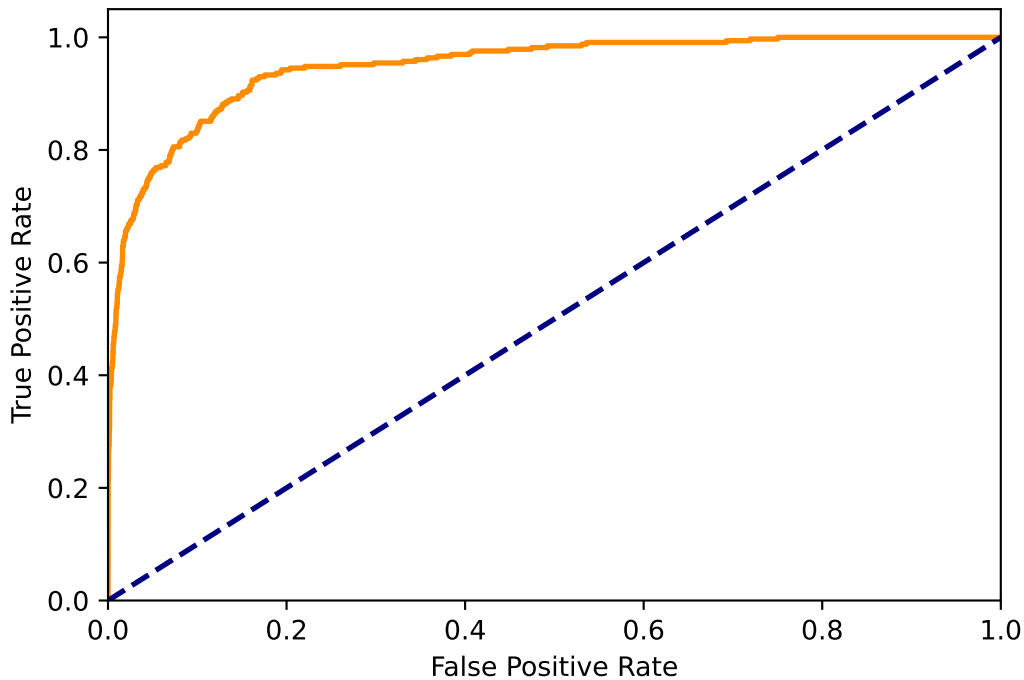
K-NN Classifier (Bag of Words) Metrics



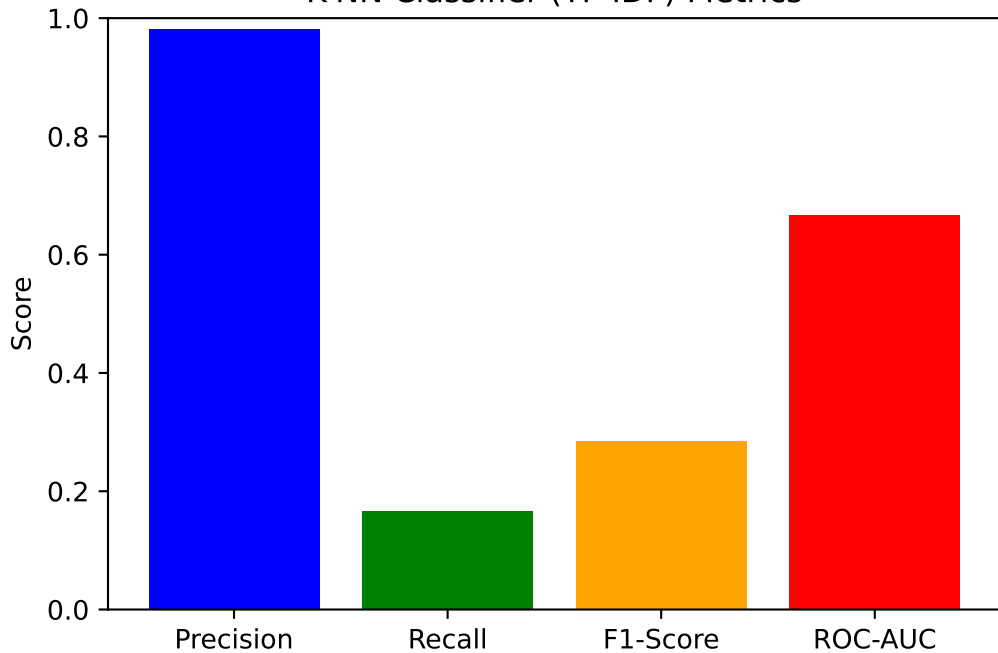
K-NN Classifier (Bag of Words) Confusion Matrix



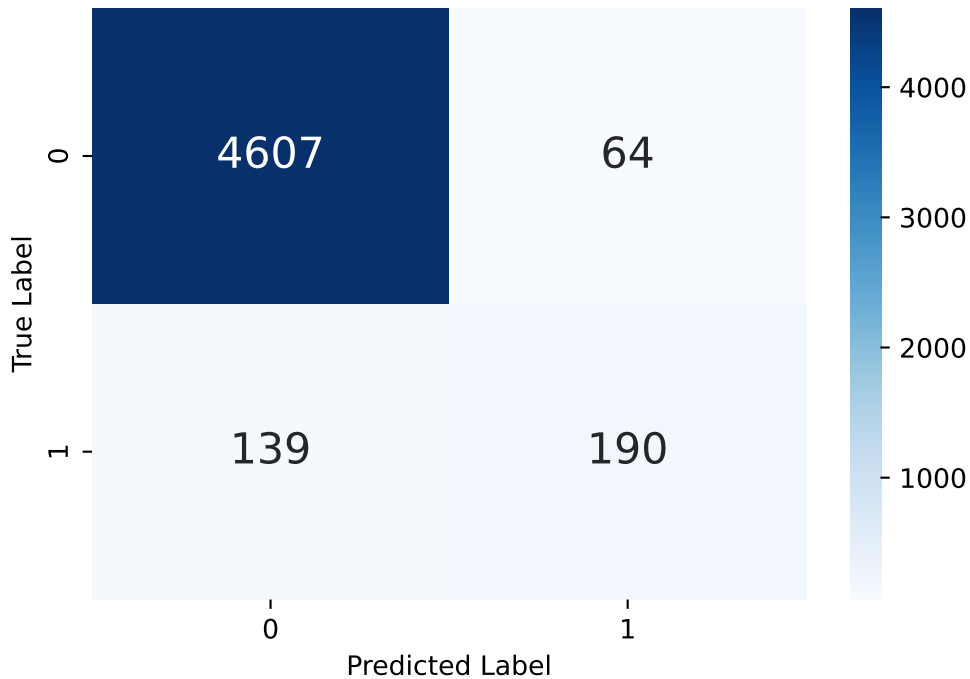
K-NN Classifier (Bag of Words) ROC Curve



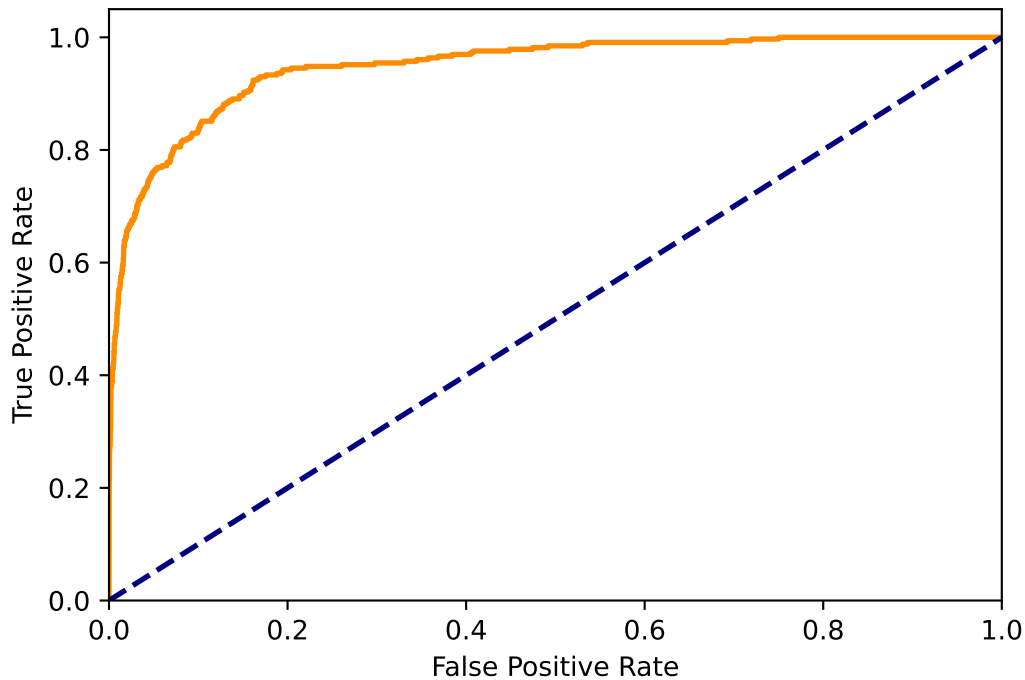
K-NN Classifier (TF-IDF) Metrics



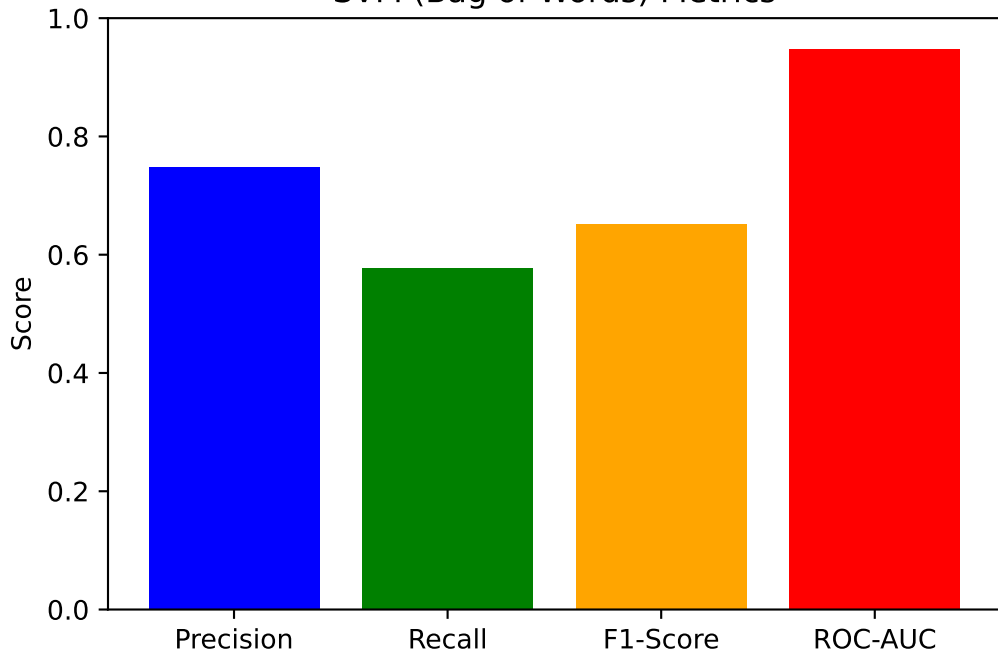
K-NN Classifier (TF-IDF) Confusion Matrix



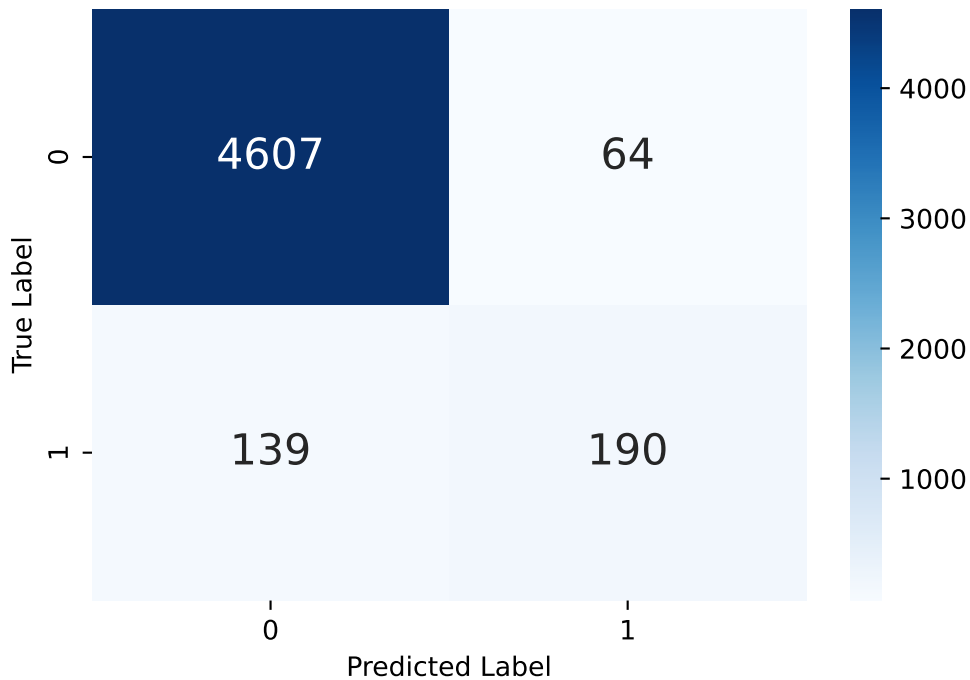
K-NN Classifier (TF-IDF) ROC Curve



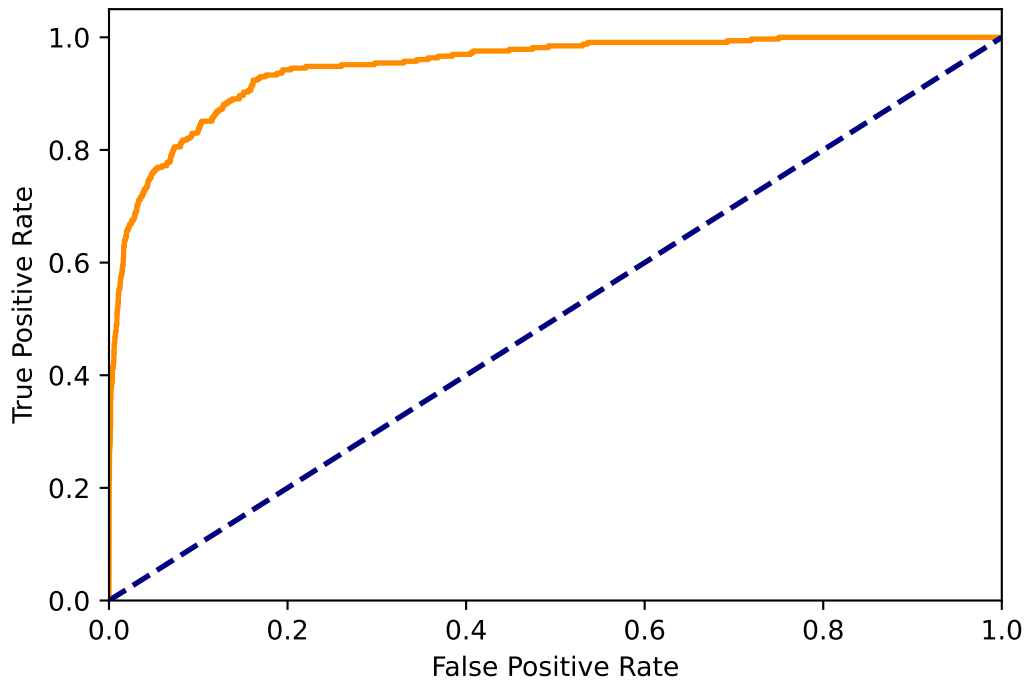
SVM (Bag of Words) Metrics



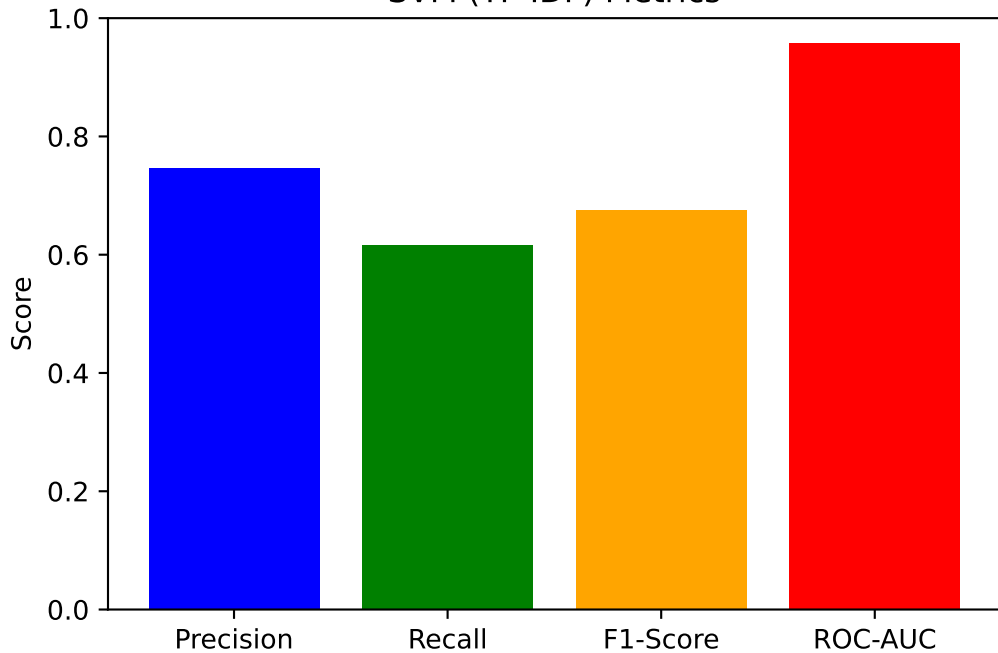
SVM (Bag of Words) Confusion Matrix



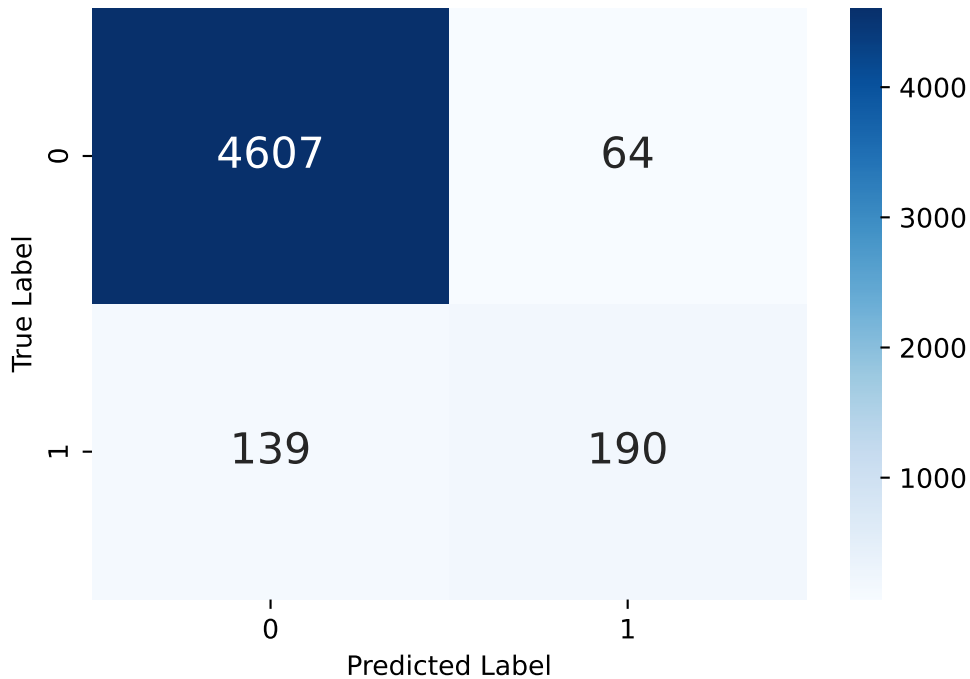
SVM (Bag of Words) ROC Curve



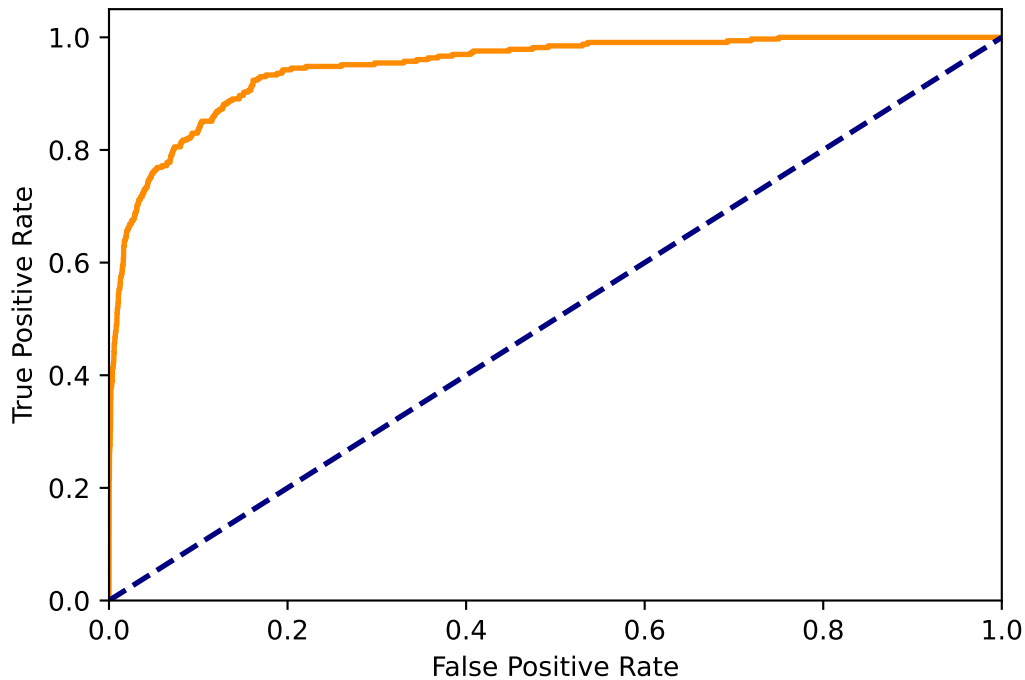
SVM (TF-IDF) Metrics



SVM (TF-IDF) Confusion Matrix



SVM (TF-IDF) ROC Curve



| Model | Precision | Recall | F1-Score | ROC-AUC |
|--------------------------------|--------------------|---------------------|---------------------|-----------------|
| Decision Trees (Bag of Words) | 0.6045751633986928 | 0.5623100303951368 | 0.5826771653543307 | 0.7764246052894 |
| Decision Trees (TF-IDF) | 0.5736196319018405 | 0.5683890577507599 | 0.5709923664122137 | 0.7689458789569 |
| Random Forest (Bag of Words) | 0.8983050847457628 | 0.48328267477203646 | 0.6284584980237155 | 0.9418259466838 |
| Random Forest (TF-IDF) | 0.9037433155080213 | 0.513677811550152 | 0.6550387596899225 | 0.9406549758290 |
| Naive Bayes (Bag of Words) | 0.8342245989304813 | 0.47416413373860183 | 0.6046511627906976 | 0.9261409889253 |
| Naive Bayes (TF-IDF) | 1.0 | 0.13677811550151975 | 0.24064171122994651 | 0.9126525369299 |
| K-NN Classifier (Bag of Words) | 0.9482758620689655 | 0.16717325227963525 | 0.2842377260981912 | 0.7268452633106 |
| K-NN Classifier (TF-IDF) | 0.9821428571428571 | 0.16717325227963525 | 0.2857142857142857 | 0.6677553214264 |
| SVM (Bag of Words) | 0.7480314960629921 | 0.5775075987841946 | 0.6518010291595199 | 0.9477120355241 |
| SVM (TF-IDF) | 0.7463235294117647 | 0.6170212765957447 | 0.675540765391015 | 0.9583945823645 |