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## Model Performance Metrics

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### 1. Accuracy, recall and precision for train, validation and test data

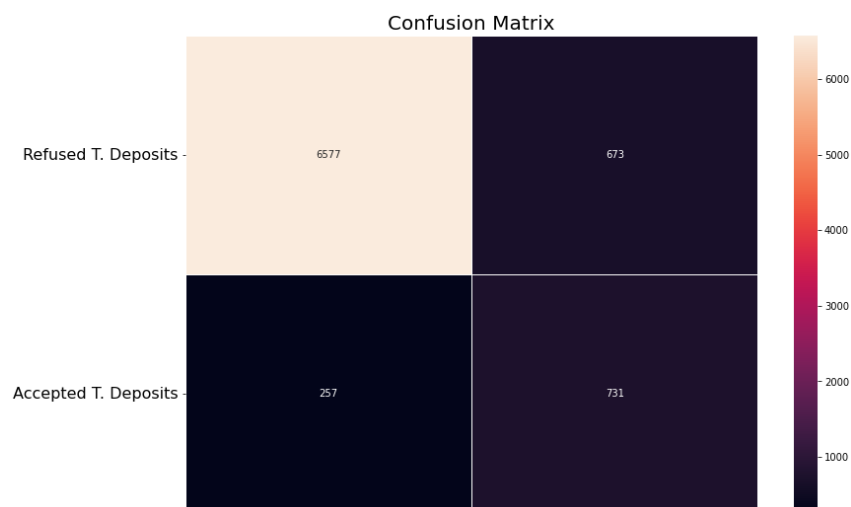
```
-----Train RESULTS-----
Accuracy of CatBoostClassifier for training: 0.9651398135818908
Precision for train set: 0.9398166800966962
Recall for train set: 0.9939280958721705

-----VALIDATION RESULTS-----
Accuracy of CatBoostClassifier for training: 0.8889226100151745
Precision for validation set: 0.5
Recall for validation set: 0.755464480874317

-----TEST RESULTS-----
Accuracy of CatBoostClassifier for test: 0.8871085214857976
Precision for test set: 0.5206552706552706
Recall for test set: 0.7398785425101214
```

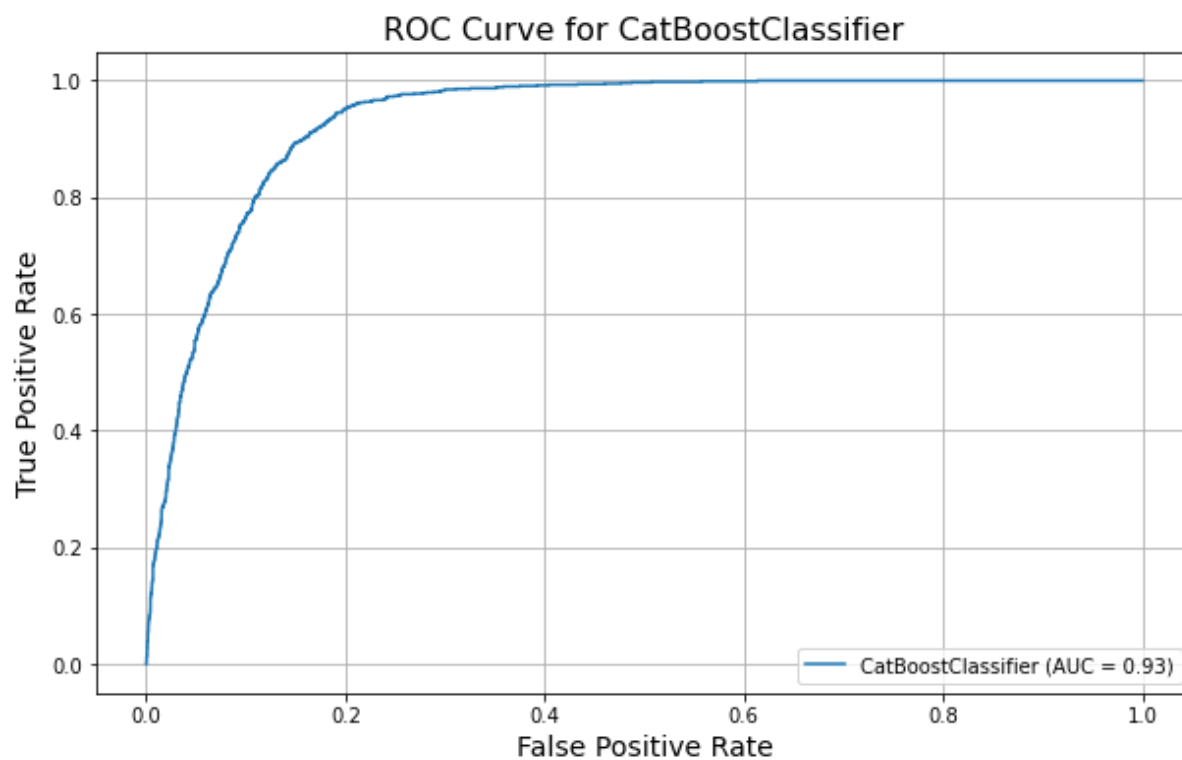
	precision	recall	f1-score	support
0	0.96	0.91	0.93	7250
1	0.52	0.74	0.61	988
accuracy			0.89	8238
macro avg	0.74	0.82	0.77	8238
weighted avg	0.91	0.89	0.90	8238

### 2. Confusion Matrix



- We are able to identify the customers we can keep excluded from our list of potential customers who will opt for a term deposit with a high recall for Refused Term deposit

### 3. Receiver Operating Characteristic



### 4. Precision-recall curve

