# **Models Trained with their respective parameters and metrics.**

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| Model Info | Parameters and Hyper Parameters | Metrics |
| MU3D SVM + TF-IDF | TF-IDF: default options  SVM: C = 10, kernel = sigmoid | Acc: 69% |
| Court Trial SVM + TF-IDF | TF-IDF: default options  SVM: C = 10, kernel = linear | Acc: 68% |
| MU3D RF + TF-IDF | TF-IDF: default options  RF: n\_estimators = 50, max\_leaf\_nodes = 10, max\_depth = 1000 | Acc: 65% |
| Court Trial RF + TF-IDF | TF-IDF: default options  RF: n\_estimators = 50, max\_leaf\_nodes = 10, max\_depth = 1000 | Acc: 76% |
| Court Trial SVM + Count Vectorizer  (random seed 542 on split) | Count Vectorizer : default options  SVM: C = 10, kernel = linear | Acc: 80% |
| MU3D Count vectorizer + LR (random seed 542 on split) | Count Vectorizer : default options  LR: default options | Acc: 74% |
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