| | Abstracts Only | | |
|---|---|---|---|
| | **Logistic Regression** | **Random Forest** | **Naive Bayes** |
| BioBERT-hf | {'C': 0.8, 'class_weight': 'balanced', 'solver': 'newton-cg'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'auto', 'max_leaf_nodes': None, 'min_samples_leaf': 2, 'min_samples_split': 5} | {'var_smoothing': 1e-08} |
| BERTS2L | {'C': 0.6, 'class_weight': 'balanced', 'solver': 'sag'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'auto', 'max_leaf_nodes': None, 'min_samples_leaf': 2, 'min_samples_split': 5} | {'var_smoothing': 1e-08} |
| BERTSL4 | {'C': 0.1, 'class_weight': 'balanced', 'solver': 'saga'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'auto', 'max_leaf_nodes': None, 'min_samples_leaf': 2, 'min_samples_split': 5} | {'var_smoothing': 1e-08} |
| BERTCL4 | {'C': 0.1, 'class_weight': 'balanced', 'solver': 'saga'} | {'bootstrap': True, 'max_depth': 100, 'max_features': 'sqrt', 'max_leaf_nodes': None, 'min_samples_leaf': 1, 'min_samples_split': 5} | {'var_smoothing': 1e-08} |
| BERT-st | {'C': 0.1, 'class_weight': 'balanced', 'solver': 'sag'} | - | {'var_smoothing': 1e-08} |
| BioBERT-nlu | {'C': 0.30000000000000004, 'class_weight': 'balanced', 'solver': 'newton-cg'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'auto', 'max_leaf_nodes': None, 'min_samples_leaf': 1, 'min_samples_split': 2} | {'var_smoothing': 1e-08} |
| TFIDF | | | |
| ELECTRA-hf | {'C': 0.7000000000000001, 'class_weight': 'balanced', 'solver': 'newton-cg'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'sqrt', 'max_leaf_nodes': None, 'min_samples_leaf': 2, 'min_samples_split': 2} | {'var_smoothing': 1e-08} |
| ELECTRAmed-hf | {'C': 1.0, 'class_weight': 'balanced', 'solver': 'newton-cg'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'auto', 'max_leaf_nodes': None, 'min_samples_leaf': 2, 'min_samples_split': 2} | {'var_smoothing': 1e-08} |
| RoBERTa-st | {'C': 0.1, 'class_weight': 'balanced', 'solver': 'sag'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'auto', 'max_leaf_nodes': None, 'min_samples_leaf': 2, 'min_samples_split': 5} | {'var_smoothing': 1e-08} |
| ELMO | {'C': 1.0, 'class_weight': 'balanced', 'solver': 'newton-cg'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'sqrt', 'max_leaf_nodes': None, 'min_samples_leaf': 1, 'min_samples_split': 2} | {'var_smoothing': 1e-08} |
| XLNET-nlu | {'C': 0.1, 'class_weight': 'balanced', 'solver': 'newton-cg'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'sqrt', 'max_leaf_nodes': None, 'min_samples_leaf': 1, 'min_samples_split': 2} | {'var_smoothing': 1e-08} |
| GLOVE-nlu | {'C': 0.6, 'class_weight': 'balanced', 'solver': 'newton-cg'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'auto', 'max_leaf_nodes': None, 'min_samples_leaf': 1, 'min_samples_split': 2} | {'var_smoothing': 1e-08} |
| ELECTRAmed-st | {'C': 0.1, 'class_weight': 'balanced', 'solver': 'newton-cg'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'sqrt', 'max_leaf_nodes': None, 'min_samples_leaf': 1, 'min_samples_split': 2} | {'var_smoothing': 1e-08} |
| ELECTRA-nlu | {'C': 1.0, 'class_weight': 'balanced', 'solver': 'sag'} | {'bootstrap': True, 'max_depth': 100, 'max_features': 'auto', 'max_leaf_nodes': None, 'min_samples_leaf': 1, 'min_samples_split': 5} | {'var_smoothing': 1e-08} |

| | Methods Only | | |
|---|---|---|---|
| | **Logistic Regression** | **Random Forest** | **Naive Bayes** |
| TFIDF | | | |
| ELMO | {'C': 0.9, 'class_weight': None, 'solver': 'newton-cg'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'auto', 'max_leaf_nodes': None, 'min_samples_leaf': 1, 'min_samples_split': 10} | {'var_smoothing': 1e-08} |
| BERT-st | {'C': 0.1, 'class_weight': 'balanced', 'solver': 'newton-cg'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'sqrt', 'max_leaf_nodes': None, 'min_samples_leaf': 4, 'min_samples_split': 10} | {'var_smoothing': 1e-08} |
| BioBERT-nlu | C': 0.9, 'class_weight': 'balanced', 'solver': 'saga'} | {'bootstrap': True, 'max_depth': 100, 'max_features': 'sqrt', 'max_leaf_nodes': None, 'min_samples_leaf': 1, 'min_samples_split': 2} | {'var_smoothing': 1e-08} |
| BERTS2L | {'C': 0.9, 'class_weight': 'balanced', 'solver': 'saga'} | {'bootstrap': True, 'max_depth': 100, 'max_features': 'sqrt', 'max_leaf_nodes': None, 'min_samples_leaf': 1, 'min_samples_split': 5} | {'var_smoothing': 1e-08} |
| BERTCL4 | {'C': 0.7000000000000001, 'class_weight': 'balanced', 'solver': 'newton-cg'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'auto', 'max_leaf_nodes': None, 'min_samples_leaf': 1, 'min_samples_split': 5} | {'var_smoothing': 1e-08} |
| BERTSL4 | {'C': 0.1, 'class_weight': 'balanced', 'solver': 'newton-cg'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'auto', 'max_leaf_nodes': None, 'min_samples_leaf': 2, 'min_samples_split': 2} | {'var_smoothing': 1e-08} |
| XLNET-nlu | {'C': 0.1, 'class_weight': 'balanced', 'solver': 'saga'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'auto', 'max_leaf_nodes': None, 'min_samples_leaf': 2, 'min_samples_split': 5} | {'var_smoothing': 1e-08} |
| RoBERTa-st | {'C': 0.1, 'class_weight': 'balanced', 'solver': 'newton-cg'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'auto', 'max_leaf_nodes': None, 'min_samples_leaf': 2, 'min_samples_split': 5} | {'var_smoothing': 1e-08} |
| GLOVE-nlu | {'C': 0.9, 'class_weight': 'balanced', 'solver': 'newton-cg'} | {'bootstrap': True, 'max_depth': 100, 'max_features': 'sqrt', 'max_leaf_nodes': None, 'min_samples_leaf': 1, 'min_samples_split': 5} | {'var_smoothing': 1e-08} |
| ELECTRAmed-st | {'C': 0.6, 'class_weight': 'balanced', 'solver': 'sag'} | {'bootstrap': True, 'max_depth': 100, 'max_features': 'sqrt', 'max_leaf_nodes': None, 'min_samples_leaf': 2, 'min_samples_split': 5} | {'var_smoothing': 1e-08} |
| ELECTRA-nlu | {'C': 1.0, 'class_weight': 'balanced', 'solver': 'sag'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'auto', 'max_leaf_nodes': None, 'min_samples_leaf': 1, 'min_samples_split': 2} | {'var_smoothing': 1e-08} |

| | Abstracts + Methods | | |
|---|---|---|---|
| | **Logistic Regression** | **Random Forest** | **Naive Bayes** |
| BERTS2L | {'C': 0.8, 'class_weight': 'balanced', 'solver': 'saga'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'auto', 'max_leaf_nodes': None, 'min_samples_leaf': 1, 'min_samples_split': 2} | {'var_smoothing': 1e-08} |
| BERTSL4 | {'C': 0.1, 'class_weight': 'balanced', 'solver': 'sag'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'sqrt', 'max_leaf_nodes': None, 'min_samples_leaf': 1, 'min_samples_split': 2} | {'var_smoothing': 1e-08} |
| BERTCL4 | {'C': 0.5, 'class_weight': 'balanced', 'solver': 'newton-cg'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'auto', 'max_leaf_nodes': None, 'min_samples_leaf': 2, 'min_samples_split': 5} | {'var_smoothing': 1e-08} |
| BioBERT-nlu | {'C': 0.9, 'class_weight': 'balanced', 'solver': 'sag'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'sqrt', 'max_leaf_nodes': None, 'min_samples_leaf': 2, 'min_samples_split': 5} | {'var_smoothing': 1e-08} |
| TFIDF | | | |
| BERT-st | {'C': 0.1, 'class_weight': 'balanced', 'solver': 'saga'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'sqrt', 'max_leaf_nodes': None,' min_samples_leaf': 1, 'min_samples_split': 5} | {'var_smoothing': 1e-08} |
| RoBERTa-st | {'C': 0.2, 'class_weight': 'balanced', 'solver': 'newton-cg'} | {'bootstrap': True, 'max_depth': 100, 'max_features': 'auto', 'max_leaf_nodes': None, 'min_samples_leaf': 2, 'min_samples_split': 2} | {'var_smoothing': 1e-08} |
| ELMO | {'C': 0.8, 'class_weight': None, 'solver': 'saga'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'auto', 'max_leaf_nodes': None, 'min_samples_leaf': 1, 'min_samples_split': 2} | {'var_smoothing': 1e-08} |
| XLNET-nlu | {'C': 0.8, 'class_weight': 'balanced', 'solver': 'newton-cg'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'sqrt', 'max_leaf_nodes': None, 'min_samples_leaf': 1, 'min_samples_split': 5} | {'var_smoothing': 1e-08} |
| GLOVE-nlu | {'C': 1.0, 'class_weight': 'balanced', 'solver': 'newton-cg'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'sqrt', 'max_leaf_nodes': None, 'min_samples_leaf': 2, 'min_samples_split': 2} | {'var_smoothing': 1e-08} |
| EMECTRAmed-st | {'C': 1.0, 'class_weight': 'balanced', 'solver': 'saga'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'auto', 'max_leaf_nodes': None, 'min_samples_leaf': 2, 'min_samples_split': 2} | {'var_smoothing': 1e-08} |
| ELECTRA-nlu | {'C': 0.30000000000000004, 'class_weight': 'balanced', 'solver': 'saga'} | {'bootstrap': False, 'max_depth': 100, 'max_features': 'auto', 'max_leaf_nodes': None, 'min_samples_leaf': 4, 'min_samples_split': 5} | {'var_smoothing': 1e-08} |