|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Data domain type | Models | Accuracy (agv) | Precession  (avg) | Recall (avg) | F1 score  (avg) |
| In Domain |  |  |  |  |  |
|  | Bert | 96% | 95% | 96% | 97% |
|  | RoBERTa | 97% | 96% | 98% | 96% |
|  | BERT + Albert | 90% | 90% | 92% | 93% |
|  | BERT + SVM | 91% | 94% | 95% | 95% |
|  | BERT + Random Forest | 90% | 91% | 93% | 92% |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| **Cross Domain** |  |  |  |  |  |
|  | Bert | 94% | 96% | 97% | 96% |
|  | RoBERTa | 92% | 96% | 95% | 95% |
|  | BERT + Albert | 89% | 91% | 92% | 92% |
|  | BERT + SVM | 86% | 91% | 92% | 92% |
|  | BERT + Random Forest | 89% | 93% | 91% | 92% |
|  |  |  |  |  |  |
|  |  |  |  |  |  |