**Politifact Dataset:**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model Used** | | **Validation** | | | | **Testing** | | | |
| **Accuracy** | **Precision** | **Recall** | **F1 Score** | **Accuracy** | **Precision** | **Recall** | **F1 Score** |
| **XLNet** | | 86.7925 | 88.7097 | 88.7097 | 88.7097 | 89.6226 | 90.4762 | 91.9355 | 91.2000 |
| **Distil BERT** | | 84.9057 | 87.0968 | 87.0968 | 87.0968 | 87.7358 | 94.5455 | 83.8710 | 88.8889 |
| **Ensemble model of XLNet & Distil BERT** | **Simple Average Ensemble** | 85.8491 | 87.3016 | 88.7097 | 88.0000 | 88.6792 | 94.6429 | 85.4839 | 89.8305 |
| **Majority Vote Ensemble** | 84.9057 | 89.6552 | 83.8710 | 86.6667 | 88.6792 | 96.2963 | 83.8710 | 89.6552 |

**Gossicop Dataset:**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model Used** | | **Validation** | | | | **Testing** | | | |
| **Accuracy** | **Precision** | **Recall** | **F1 Score** | **Accuracy** | **Precision** | **Recall** | **F1 Score** |
| **XLNet** | | 84.5077 | 88.8239 | 90.8982 | 89.8491 | 85.5014 | 89.6714 | 91.3329 | 90.4945 |
| **Distil BERT** | | 83.9205 | 86.8687 | 92.6946 | 89.6871 | 85.8627 | 88.2022 | 93.8434 | 90.9354 |
| **Ensemble model of XLNet & Distil BERT** | **Simple Average Ensemble** | 84.7787 | 87.6767 | 92.8743 | 90.2006 | 86.5402 | 88.7761 | 94.0825 | 91.3523 |
| **Majority Vote Ensemble** | 83.9657 | 90.3622 | 88.1437 | 89.2392 | 84.8690 | 90.9425 | 88.8225 | 89.8700 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model Used** | | **Validation** | | | |
| **Accuracy** | **Precision** | **Recall** | **F1 Score** |
| **XLNet** | | 86.7925 | 88.7097 | 88.7097 | 88.7097 |
| **Distil BERT** | | 84.9057 | 87.0968 | 87.0968 | 87.0968 |
| **Simple Average Ensemble of XLNet & Distil BERT** |  | 85.8491 | 87.3016 | 88.7097 | 88.0000 |
| **Majority Vote Ensemble of XLNet & Distil BERT** |  | 84.9057 | 89.6552 | 83.8710 | 86.6667 |