**Table 3:** Examples of Prediction Report

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Prediction report of Logistic Regression model | | | | |
|  | **precision** | **recall** | **F1-score** | **support** |
| 0 | 0.89 | 0.90 | 0.89 | 1471 |
| 1 | 0.95 | 0.95 | 0.95 | 3060 |
| Accuracy |  |  | 0.93 | 4531 |
| Marco avg | 0.92 | 0.92 | 0.92 | 4531 |
| Weighted avg | 0.93 | 0.93 | 0.93 | 4541 |
| Prediction report of Support Vector Machines model | | | | |
|  | **precision** | **recall** | **F1-score** | **support** |
| 0 | 1.00 | 0.17 | 0.29 | 389 |
| 1 | 0.77 | 1.00 | 0.87 | 1111 |
| Accuracy |  |  | 0.78 | 1500 |
| Marco avg | 0.89 | 0.58 | 0.58 | 1500 |
| Weighted avg | 0.83 | 0.78 | 0.72 | 1500 |
| Prediction report of Random Forests model | | | | |
|  | **precision** | **recall** | **F1-score** | **support** |
| 0 | 0.94 | 0.68 | 0.79 | 1471 |
| 1 | 0.86 | 0.98 | 0.92 | 3060 |
| Accuracy |  |  | 0.88 | 4531 |
| Marco avg | 0.90 | 0.83 | 0.85 | 4531 |
| Weighted avg | 0.89 | 0.88 | 0.88 | 4531 |