**CROSS VALIDATION RESULTS ON PERMISSIONS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Algorithm** | **Correctly classified instances** | **Correctly classified instances (%)** | **Incorrectly classified instances** | **Incorrectly classified instances (%)** |
| J48 | 2384 | 80.6768 | 571 | 19.3232 |
| Naïve bayes | 2298 | 77.7665 | 657 | 22.2335 |

**CROSS VALIDATION RESULTS FOR STRINGS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Algorithm** | **Correctly classified instances** | **Correctly classified instances (%)** | **Incorrectly classified instances** | **Incorrectly classified instances (%)** |
| Naïve Bayes | 268473 | 70.8757 | 110321 | 29.1243 |
| NaïveUpdateable | 270473 | 72.8757 | 108321 | 27.1243 |

**INDIVIDUAL MALWARE APPLICATION TESTING RESULTS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Algorithm** | **Correctly classified instances** | **Correctly classified instances (%)** | **Incorrectly classified instances** | **Incorrectly classified instances (%)** |
| Naïve bayes | 1040 | 86.4986 | 224 | 13.5014 |

**CLASSIFIED MALWARE SAMPLE RESULTS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Algorithm** | **Total samples** | **Correctly classified samples** | **Incorrectly classified samples** |
| Naïve bayes | 49 | 42 | 7 |

**INDIVIDUAL GENUINE APPLICATION TESTING RESULTS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Algorithm** | **Correctly classified instances** | **Correctly classified instances (%)** | **Incorrectly classified instances** | **Incorrectly classified instances (%)** |
| Naïve bayes | 1552 | 70.0183 | 805 | 29.9817 |

**CLASSIFIED GENUINE SAMPLES**

|  |  |  |  |
| --- | --- | --- | --- |
| **Algorithm** | **Total samples** | **Correctly classified samples** | **Incorrectly classified samples** |
| Naïve bayes | 105 | 77 | 28 |