|  |  |  |
| --- | --- | --- |
| Dataset | PV % | NM % |
| 1 | 0 | 0 |
| 2 | 20 | 0 |
| 3 | 70 | 0 |
| 4 | 20 | 20 |
| 5 | 20 | 70 |
| 6 | 70 | 20 |
| 7 | 70 | 70 |

55 pilferers x 2 frequency of theft = 110 simulations per dataset (1 week each)

110 simulations x 2 classification types (benign or malicious) x 7 days = 1540 data points per dataset

1540 data points x 7 datasets = 10780 data points total

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Dataset | Expanded Dataset | Frequency | PV % | NM % |
| 1 | 1a | half | 0 | 0 |
| 1b | full |
| 2 | 2a | half | 20 | 0 |
| 2b | full |
| 3 | 3a | half | 70 | 0 |
| 3b | full |
| 4 | 4a | half | 20 | 20 |
| 4b | full |
| 5 | 5a | half | 20 | 70 |
| 5b | full |
| 6 | 6a | half | 70 | 20 |
| 6b | full |
| 7 | 7a | half | 70 | 70 |
| 7b | full |

Expanded dataset with varied frequency. Expanded dataset grouping has 55 simulations each.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Dataset | Frequency | Class | Expanded Dataset | PV % | NM % |
| 1 | half | 0 | 1 | 0 | 0 |
| 1 | 2 |
| full | 0 | 3 |
| 1 | 4 |
| 2 | half | 0 | 5 | 20 | 0 |
| 1 | 6 |
| full | 0 | 7 |
| 1 | 8 |
| 3 | half | 0 | 9 | 70 | 0 |
| 1 | 10 |
| full | 0 | 11 |
| 1 | 12 |
| 4 | half | 0 | 13 | 20 | 20 |
| 1 | 14 |
| full | 0 | 15 |
| 1 | 16 |
| 5 | half | 0 | 17 | 20 | 70 |
| 1 | 18 |
| full | 0 | 19 |
| 1 | 20 |
| 6 | half | 0 | 21 | 70 | 20 |
| 1 | 22 |
| full | 0 | 23 |
| 1 | 24 |
| 7 | half | 0 | 25 | 70 | 70 |
| 1 | 26 |
| full | 0 | 27 |
| 1 | 28 |