# satimage2 - Model Evaluation Summary

This table summarizes the performance of the top symbolic models.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model** | **Symbolic Rank** | **Symbolic Score** | **ROC AUC** | **Average Precision** | **Accuracy** | **F1 (Minority)** | **Precision (Minority)** | **Recall (Minority)** | **F1 Rank** | **ROC AUC Rank** | **AP Rank** | **Accuracy Rank** |
| VAE | 1 | 3.8 | 0.9837 | 0.7958 | 0.9104 | 0.2025 | 0.1136 | 0.9296 | 2 | 2 | 2 | 2 |
| AutoEncoder | 1 | 3.8 | 0.9037 | 0.2987 | 0.9045 | 0.1503 | 0.0843 | 0.6901 | 3 | 4 | 3 | 4 |
| DeepSVDD | 1 | 3.8 | 0.9121 | 0.1992 | 0.9035 | 0.1411 | 0.0792 | 0.6479 | 4 | 3 | 4 | 5 |
| LOF | 1 | 3.8 | 0.5364 | 0.0313 | 0.9082 | 0.0698 | 0.0398 | 0.2817 | 5 | 5 | 5 | 3 |
| IForest | 2 | 3.2 | 0.9941 | 0.9154 | 0.9114 | 0.2117 | 0.1188 | 0.9718 | 1 | 1 | 1 | 1 |