# musk - 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** |
| IForest | 1 | 4.3 | 0.9998 | 0.9948 | 0.9314 | 0.4802 | 0.316 | 1.0 | 1 | 1 | 1 | 1 |
| DeepSVDD | 2 | 4.0 | 0.9047 | 0.5496 | 0.9131 | 0.3416 | 0.2248 | 0.7113 | 2 | 2 | 2 | 3 |
| AutoEncoder | 2 | 4.0 | 0.8553 | 0.4091 | 0.9033 | 0.2673 | 0.1759 | 0.5567 | 4 | 4 | 3 | 4 |
| SO\_GAAL | 3 | 3.2 | 0.8662 | 0.172 | 0.9242 | 0.297 | 0.2103 | 0.5052 | 3 | 3 | 4 | 2 |
| MO\_GAAL | 3 | 3.2 | 0.7683 | 0.0742 | 0.885 | 0.1244 | 0.082 | 0.2577 | 5 | 5 | 5 | 5 |