# pendigits - 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 | 0.9469 | 0.2578 | 0.9109 | 0.2732 | 0.1676 | 0.7372 | 1 | 1 | 2 | 1 |
| AutoEncoder | 1 | 3.8 | 0.8416 | 0.0797 | 0.8913 | 0.1139 | 0.0699 | 0.3077 | 3 | 3 | 3 | 4 |
| LOF | 1 | 3.8 | 0.4991 | 0.0431 | 0.8968 | 0.0732 | 0.046 | 0.1795 | 4 | 5 | 5 | 3 |
| DeepSVDD | 1 | 3.8 | 0.7532 | 0.0457 | 0.8834 | 0.0498 | 0.0306 | 0.1346 | 5 | 4 | 4 | 5 |
| IForest | 2 | 3.2 | 0.9464 | 0.2944 | 0.9102 | 0.2681 | 0.1645 | 0.7244 | 2 | 2 | 1 | 2 |