# letter - 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** |
| LOF | 1 | 3.8 | 0.8988 | 0.4759 | 0.9163 | 0.4508 | 0.3819 | 0.55 | 1 | 1 | 1 | 1 |
| AutoEncoder | 1 | 3.8 | 0.8365 | 0.2795 | 0.895 | 0.3538 | 0.2875 | 0.46 | 2 | 2 | 2 | 2 |
| VAE | 1 | 3.8 | 0.6039 | 0.1139 | 0.8669 | 0.1839 | 0.1491 | 0.24 | 3 | 4 | 4 | 3 |
| DeepSVDD | 1 | 3.8 | 0.5375 | 0.0744 | 0.8562 | 0.1154 | 0.0938 | 0.15 | 5 | 5 | 5 | 5 |
| DevNet | 2 | 2.9 | 0.6778 | 0.116 | 0.865 | 0.1692 | 0.1375 | 0.22 | 4 | 3 | 3 | 4 |