# vowels - 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 | 0.943 | 0.3162 | 0.921 | 0.3575 | 0.2481 | 0.64 | 2 | 1 | 2 | 1 |
| AutoEncoder | 1 | 3.8 | 0.9385 | 0.5504 | 0.919 | 0.398 | 0.2671 | 0.78 | 1 | 2 | 1 | 2 |
| DeepSVDD | 1 | 3.8 | 0.7634 | 0.2107 | 0.8929 | 0.2041 | 0.137 | 0.4 | 3 | 3 | 3 | 3 |
| VAE | 1 | 3.8 | 0.6077 | 0.0536 | 0.8771 | 0.0914 | 0.0612 | 0.18 | 5 | 5 | 5 | 5 |
| IForest | 2 | 3.2 | 0.7446 | 0.1171 | 0.8915 | 0.1939 | 0.1301 | 0.38 | 4 | 4 | 4 | 4 |