# ionosphere - 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 | 4.6 | 0.8939 | 0.8391 | 0.7179 | 0.3774 | 0.9091 | 0.2381 | 4 | 2 | 2 | 4 |
| AutoEncoder | 2 | 3.8 | 0.9163 | 0.8961 | 0.7407 | 0.4348 | 1.0 | 0.2778 | 1 | 1 | 1 | 1 |
| VAE | 2 | 3.8 | 0.839 | 0.7648 | 0.7236 | 0.3975 | 0.9143 | 0.254 | 3 | 3 | 3 | 3 |
| DeepSVDD | 2 | 3.8 | 0.7365 | 0.7208 | 0.735 | 0.4224 | 0.9714 | 0.2698 | 2 | 4 | 4 | 2 |
| DevNet | 3 | 2.9 | 0.6219 | 0.4274 | 0.6154 | 0.1615 | 0.3714 | 0.1032 | 5 | 5 | 5 | 5 |