# lympho - 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 | 2.4 | 1.0 | 1.0 | 0.9392 | 0.5714 | 0.4 | 1.0 | 1 | 1 | 1 | 1 |
| SO\_GAAL | 1 | 2.4 | 0.5833 | 0.2834 | 0.8851 | 0.1905 | 0.1333 | 0.3333 | 4 | 4 | 4 | 4 |
| MO\_GAAL | 1 | 2.4 | 0.4354 | 0.0588 | 0.8716 | 0.0952 | 0.0667 | 0.1667 | 5 | 5 | 5 | 5 |
| DeepSVDD | 2 | 2.0 | 0.973 | 0.7302 | 0.9257 | 0.4762 | 0.3333 | 0.8333 | 2 | 2 | 2 | 2 |
| LOF | 2 | 2.0 | 0.9683 | 0.7128 | 0.9122 | 0.381 | 0.2667 | 0.6667 | 3 | 3 | 3 | 3 |