# arrhythmia - 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 | 4.5 | 0.7914 | 0.4445 | 0.8584 | 0.4286 | 0.5217 | 0.3636 | 1 | 1 | 1 | 1 |
| LUNAR | 2 | 3.4 | 0.7756 | 0.4112 | 0.854 | 0.4107 | 0.5 | 0.3485 | 2 | 2 | 2 | 2 |
| DeepSVDD | 3 | 3.1 | 0.7511 | 0.3331 | 0.8363 | 0.3393 | 0.413 | 0.2879 | 3 | 4 | 4 | 3 |
| AutoEncoder | 4 | 2.3 | 0.7656 | 0.3618 | 0.823 | 0.2857 | 0.3478 | 0.2424 | 4 | 3 | 3 | 4 |
| SO\_GAAL | 4 | 2.3 | 0.6291 | 0.2515 | 0.8186 | 0.2679 | 0.3261 | 0.2273 | 5 | 5 | 5 | 5 |