# cardio - 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 | 4.2 | 0.9205 | 0.5816 | 0.9066 | 0.5237 | 0.5137 | 0.5341 | 1 | 1 | 1 | 1 |
| MO\_GAAL | 2 | 3.1 | 0.7877 | 0.4317 | 0.8957 | 0.468 | 0.459 | 0.4773 | 2 | 2 | 2 | 2 |
| SO\_GAAL | 2 | 3.1 | 0.7794 | 0.3572 | 0.8798 | 0.3855 | 0.3791 | 0.392 | 3 | 3 | 3 | 3 |
| LUNAR | 2 | 3.1 | 0.6368 | 0.2302 | 0.8596 | 0.2841 | 0.2787 | 0.2898 | 4 | 4 | 4 | 4 |
| LOF | 3 | 2.0 | 0.5458 | 0.1543 | 0.852 | 0.1763 | 0.1895 | 0.1648 | 5 | 5 | 5 | 5 |