# shuttle - 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 | 0.9975 | 0.981 | 0.9695 | 0.822 | 0.7049 | 0.9858 | 1 | 1 | 1 | 1 |
| MO\_GAAL | 2 | 3.1 | 0.8265 | 0.3516 | 0.9079 | 0.4448 | 0.391 | 0.5158 | 2 | 2 | 2 | 3 |
| LUNAR | 2 | 3.1 | 0.6214 | 0.1707 | 0.8625 | 0.1981 | 0.1699 | 0.2375 | 3 | 3 | 3 | 4 |
| SO\_GAAL | 2 | 3.1 | 0.5425 | 0.1147 | 0.9285 | 0.0 | 0.0 | 0.0 | 5 | 4 | 4 | 2 |
| LOF | 3 | 2.0 | 0.521 | 0.1085 | 0.8624 | 0.1267 | 0.116 | 0.1396 | 4 | 5 | 5 | 5 |