# optdigits - 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 | 5.4 | 0.7178 | 0.0541 | 0.8834 | 0.0952 | 0.0613 | 0.2133 | 1 | 1 | 1 | 3 |
| SO\_GAAL | 2 | 4.3 | 0.3768 | 0.0214 | 0.8917 | 0.0208 | 0.0141 | 0.04 | 4 | 5 | 5 | 1 |
| MO\_GAAL | 2 | 4.3 | 0.4285 | 0.0233 | 0.8744 | 0.015 | 0.0097 | 0.0333 | 5 | 4 | 4 | 5 |
| LUNAR | 3 | 3.1 | 0.508 | 0.0323 | 0.8792 | 0.0625 | 0.0402 | 0.14 | 2 | 3 | 3 | 4 |
| LOF | 4 | 2.0 | 0.5372 | 0.0354 | 0.889 | 0.0585 | 0.0387 | 0.12 | 3 | 2 | 2 | 2 |