

Algorithm Stability scores

→ Mean stdev of feature importances. Lower is better.

dataset

Synclf easy

Synclf hard

Synclf medium

Synclf very hard

ANOVA F-value

Chi-Squared

Decision Tree

FeatBoost

Infinite Selection

MultiSURF

Mutual Info

ReliefF

Stability Selection

TabNet

XGBoost

relative
performanc
(scale: qnt)

1.0

0.0

ranker

0.215 ¹	0.214 ¹	0.124 ¹	0.064 ¹	0.046 ¹	0.647 ¹	0.032 ¹	0.157 ¹	0.132 ¹	0.113 ¹	0.088 ¹
0.082 ¹	0.079 ¹	0.040 ¹	0.017 ¹	0.018 ¹	0.070 ¹	0.013 ¹	0.042 ¹	0.033 ¹	0.054 ¹	0.021 ¹
0.153 ¹	0.156 ¹	0.078 ¹	0.026 ¹	0.028 ¹	0.259 ¹	0.020 ¹	0.095 ¹	0.030 ¹	0.071 ¹	0.049 ¹
0.069 ¹	0.069 ¹	0.025 ¹	0.013 ¹	0.017 ¹	0.048 ¹	0.012 ¹	0.028 ¹	0.025 ¹	0.043 ¹	0.015 ¹