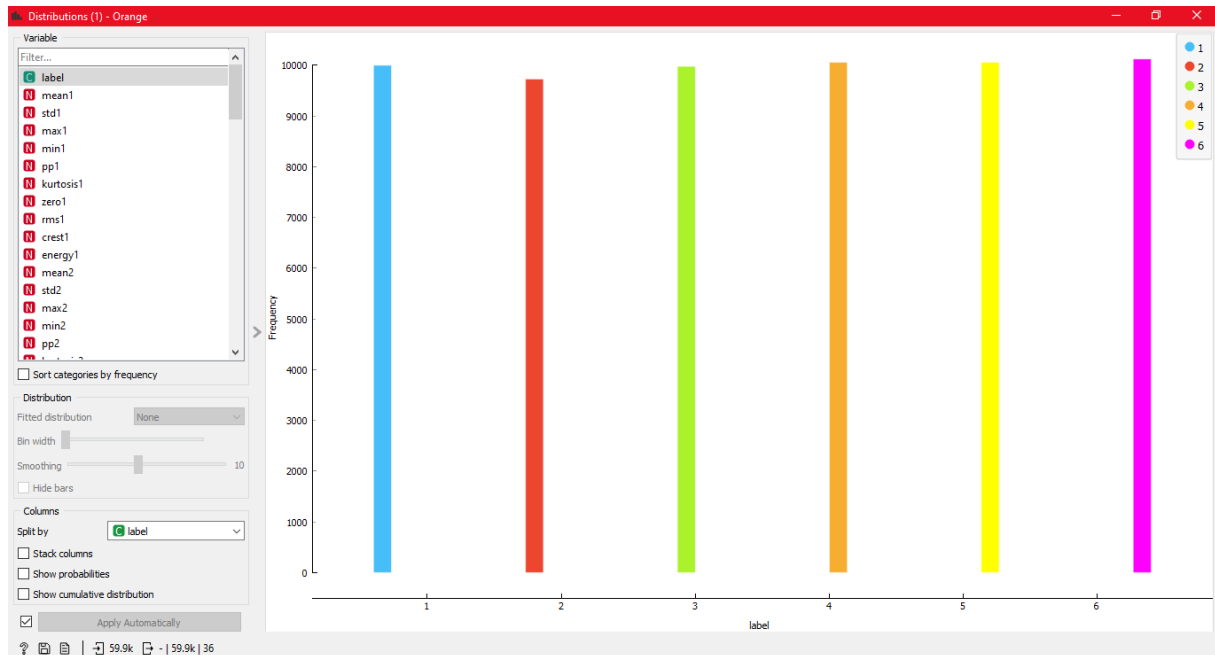


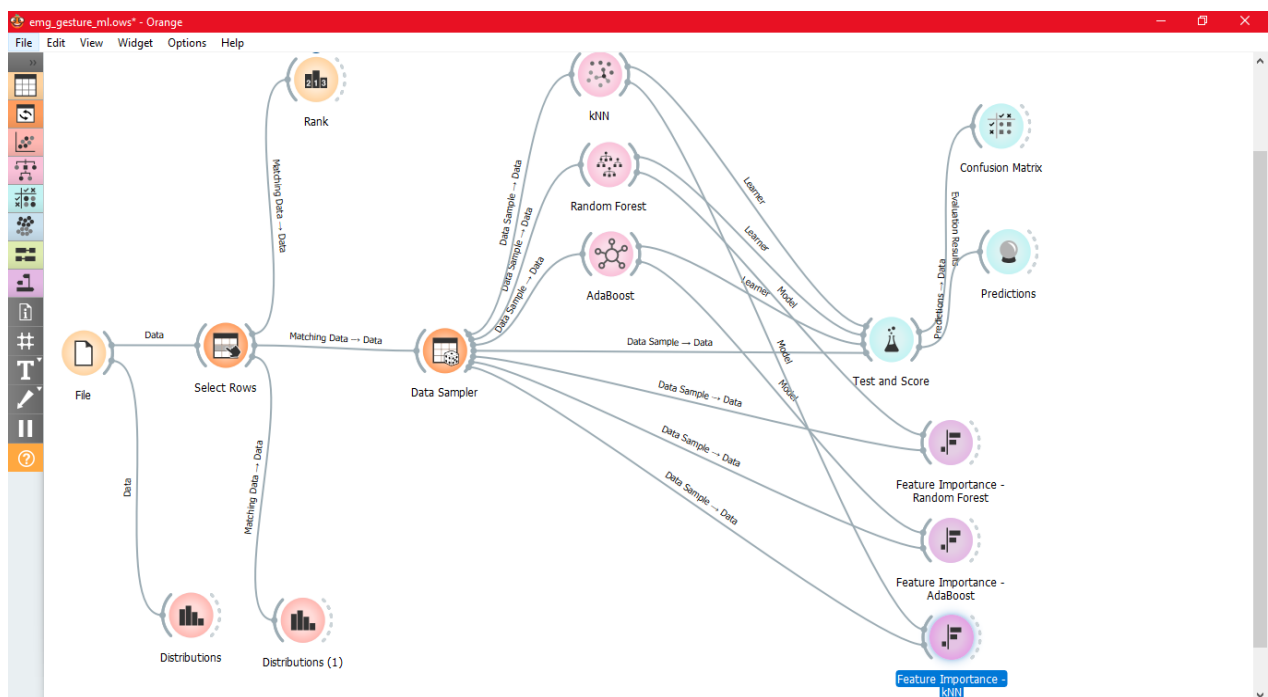
DATA

Features: mean, std, max, min, peak to peak, kurtosis, zero crosses, rms, crest, energy

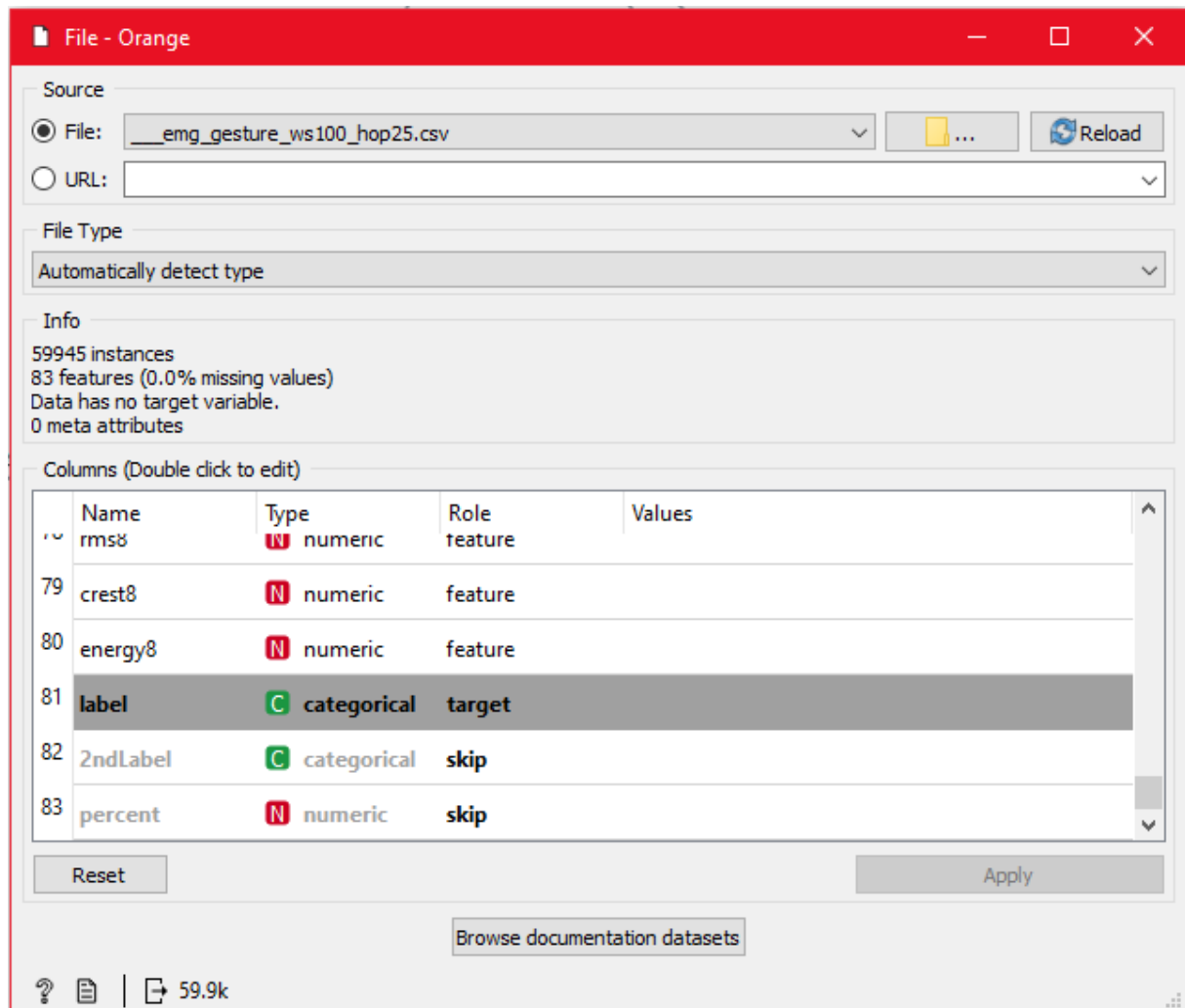
Targets: label, percent, label2(2ndLabel)



ORANGE MODEL



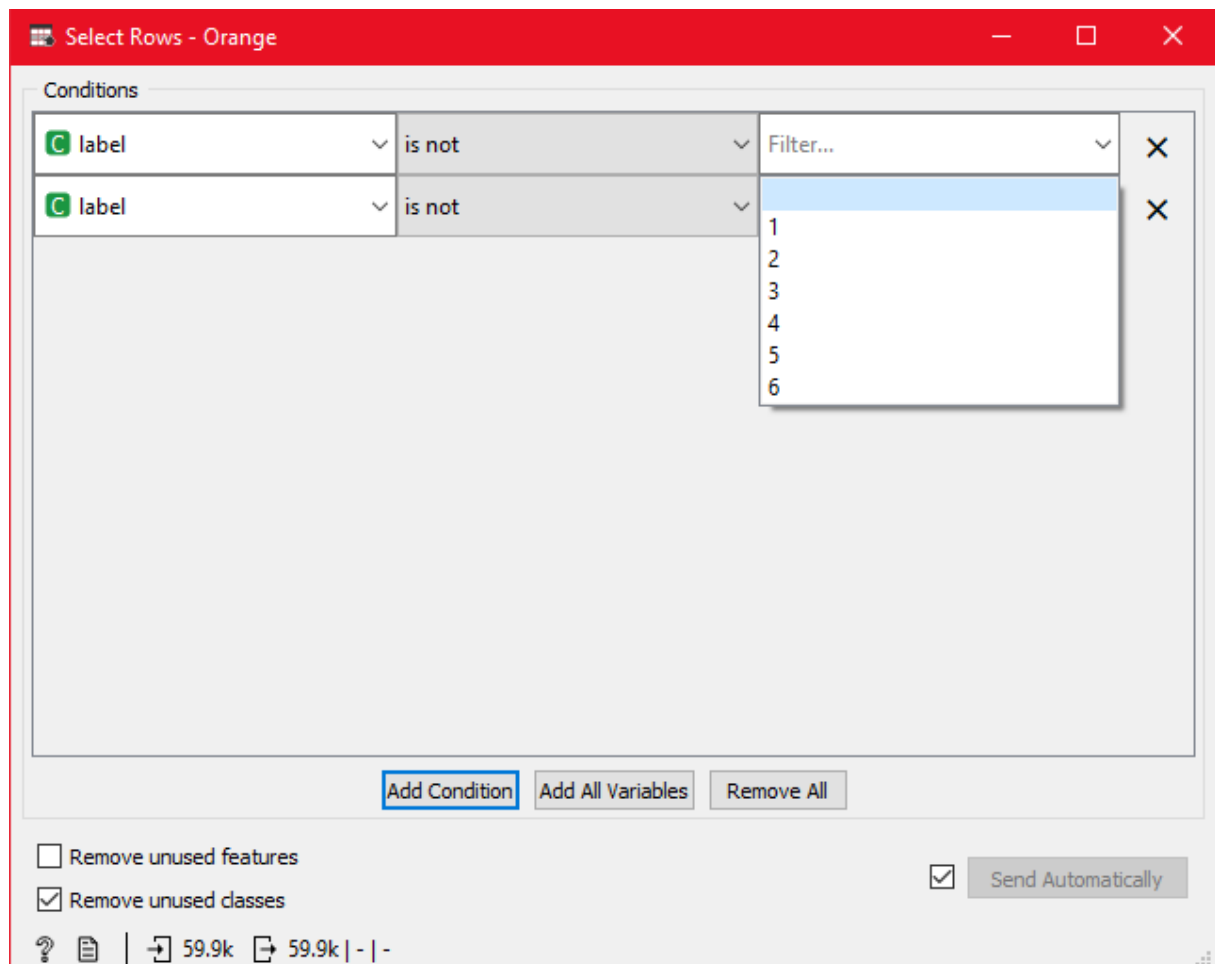
File:



Rows:

Removed rows with output as 0 and 7 in python code.

```
rdf = rdf[rdf.label != 0]
rdf = rdf[rdf.label != 7]
```

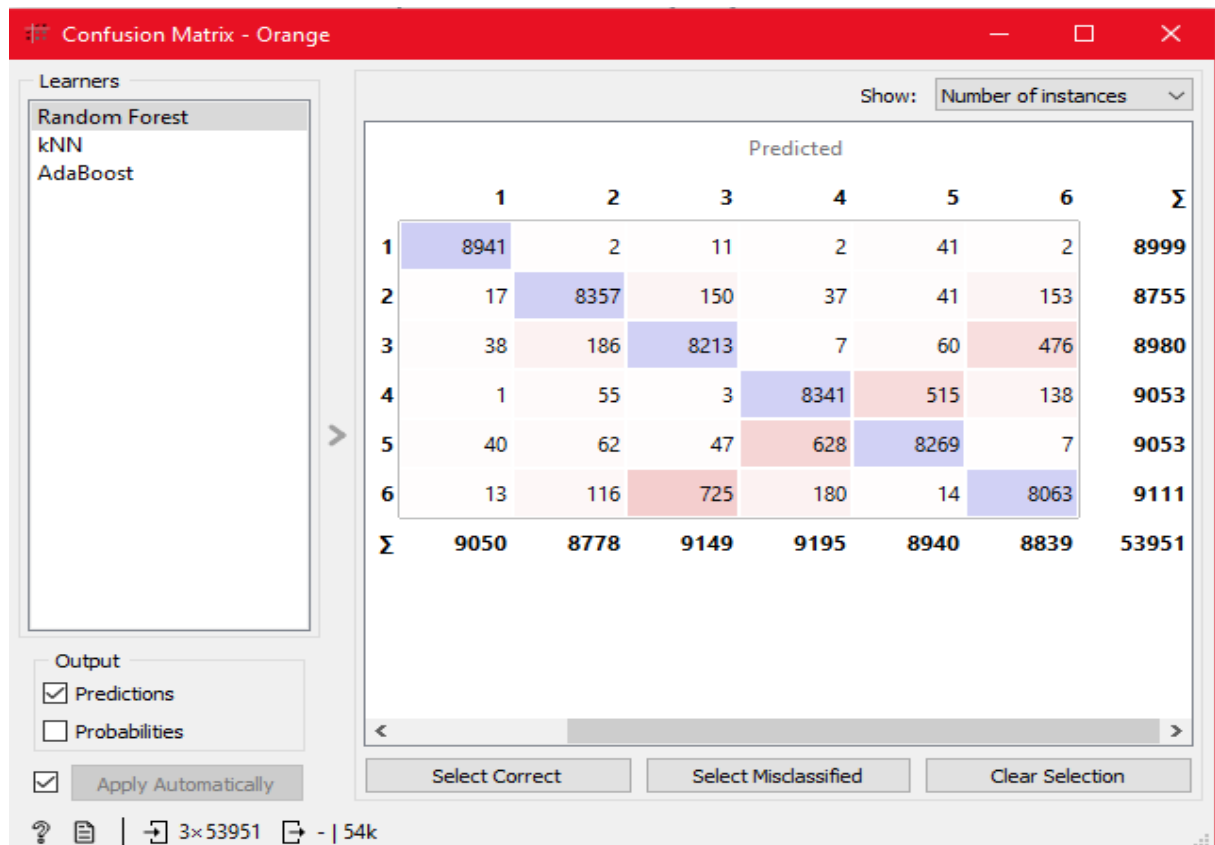


Test and Scores:

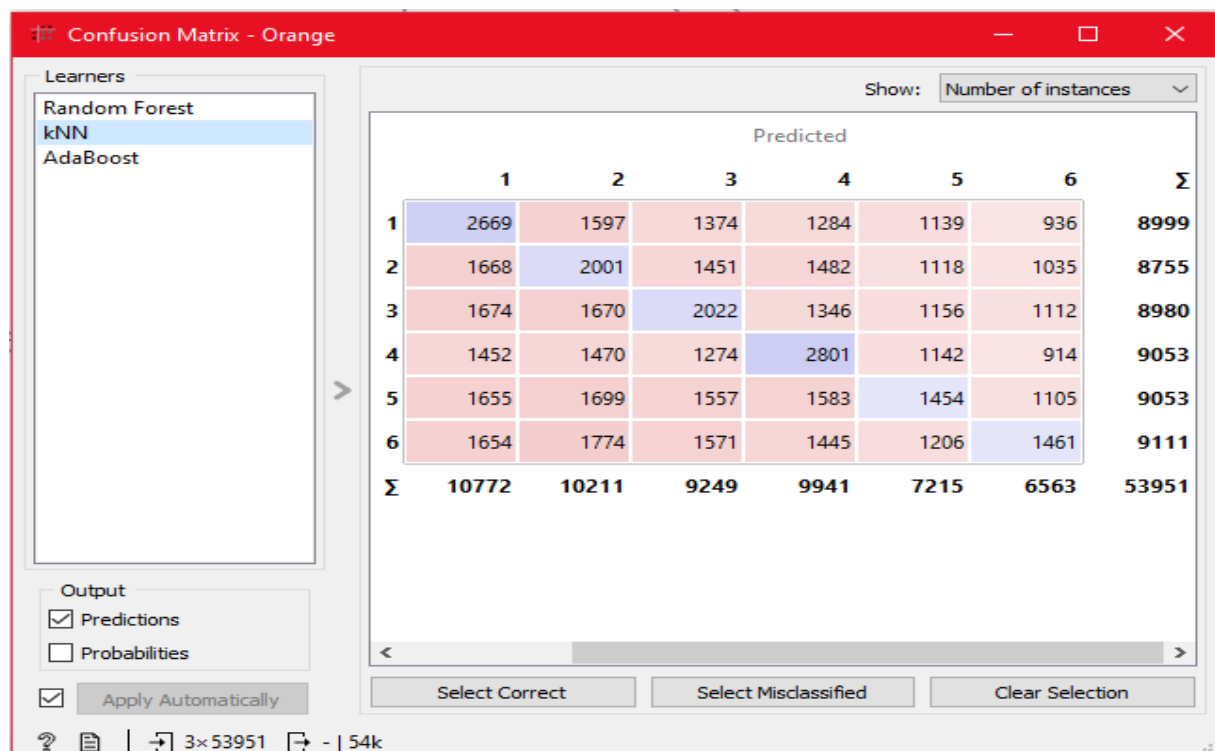
Evaluation results for target (None, show average over classes) ▾							
Model	Train time [s]	Test time [s]	AUC	CA	F1	Precision	Recall
Random Forest	14.875	0.598	-1.290	0.930	0.930	0.930	0.930
AdaBoost	25.512	0.639	-1.206	0.883	0.883	0.883	0.883
kNN	1.230	26.485	-0.735	0.230	0.227	0.228	0.230

Confusion Matrixes:

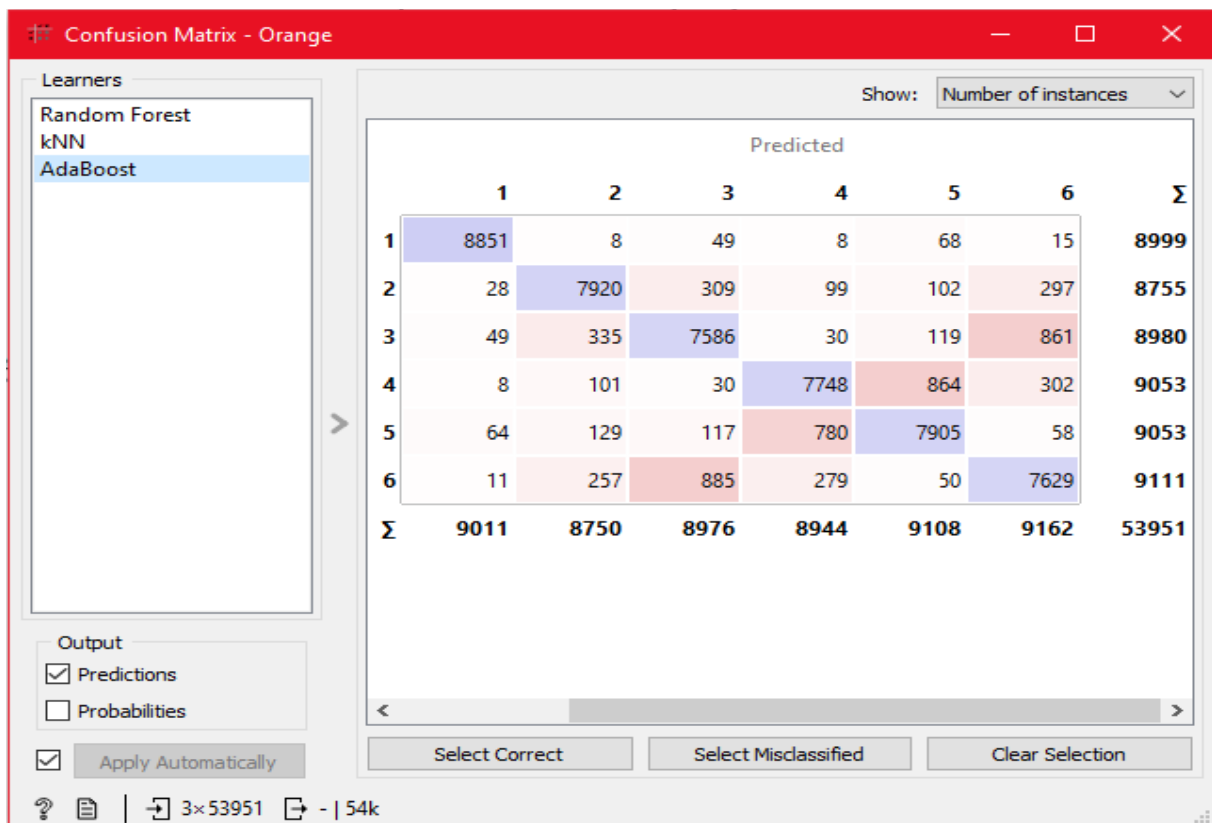
Random Forest:



kNN:



AdaBoost:



Predictions:

Predictions - Orange

Show probabilities for: Classes in data ☒ Show classification errors

label	Random Forest	kNN	AdaBoost	Random Forest (1)	Random Forest (2)	Random Forest (3)	Random Forest (4)	Random Forest (5)	Random Forest (6)	kNN (1)	kNN (2)	kNN (3)
5	5	2	3	0	0	0.1	0	0.9	0	0	0.4	0.4
1	1	1	1	0	0	0	0	0	0.4	0.4	0	0
6	6	3	6	0	0	0	0	0	0	0	0.4	0
3	3	4	3	0	0	1	0	0	0.2	0.2	0	0
6	6	1	6	0	0	0.025	0	0.975	0.4	0	0	0
1	1	1	1	1	0	0	0	0	0.2	0	0.2	0
3	3	1	2	0	0.3	0.566667	0	0.133333	0.2	0	0.2	0
6	3	2	3	0	0	0.65	0	0.35	0	0.4	0.4	0
6	6	5	6	0	0	0	0	0	0.2	0	0.2	0
1	1	3	1	0	0	0	0	0	0.2	0	0.4	0
4	4	4	4	0	0	0	0.891667	0.108333	0	0.2	0	0
4	4	6	4	0	0	0	0.82	0.18	0	0	0.2	0
4	4	4	4	0	0	0	1	0	0.2	0	0.2	0
6	6	6	6	0	0	0	0	0	0.2	0	0	0
4	4	4	4	0	0	0	1	0	0.4	0	0	0
2	2	6	2	0	1	0	0	0	0	0.2	0	0
1	1	2	1	0	0	0	0	0	0.2	0.4	0.2	0
5	5	4	5	0	0.12	0	0.14	0.74	0	0.2	0	0
2	2	6	2	0	1	0	0	0	0	0.2	0.2	0
3	3	1	3	0	0	1	0	0	0.4	0	0	0
5	5	1	5	0	0	0	0.1	0.9	0	0.2	0.2	0
1	1	1	1	1	0	0	0	0	0.2	0.2	0.2	0.2
6	6	3	6	0	0	0	0	0	0	0.2	0.4	0
2	2	4	2	0	0.866667	0.0333333	0	0.1	0	0	0	0
6	4	3	6	0	0.1	0	0.56	0.34	0	0.2	0.4	0
6	6	4	6	0	0	0	0	0	0.2	0.2	0	0
5	5	3	5	0	0	0	0	1	0	0	0.4	0

☒ Show performance scores Target class: (Average over classes)

54k | 1

Rank:

Rank - Orange					
Scoring Methods					
<input type="checkbox"/> Information Gain					
<input type="checkbox"/> Information Gain Ratio					
<input checked="" type="checkbox"/> Gini Decrease					
<input checked="" type="checkbox"/> ANOVA					
<input type="checkbox"/> χ^2					
<input checked="" type="checkbox"/> ReliefF					
<input type="checkbox"/> FCBF					
Select Attributes					
#		Gini	ANOVA	ReliefF	
1	N pp4	0.118	13144.419	0.088	
2	N pp5	0.126	13992.465	0.082	
3	N pp7	0.150	9759.878	0.079	
4	N min5	0.124	12720.926	0.076	
5	N min4	0.112	10961.251	0.075	
6	N min7	0.145	8210.497	0.070	
7	N max4	0.111	10542.980	0.068	
8	N rms4	0.119	11677.718	0.062	
9	N max7	0.133	8106.123	0.061	
10	N pp6	0.112	7858.000	0.060	

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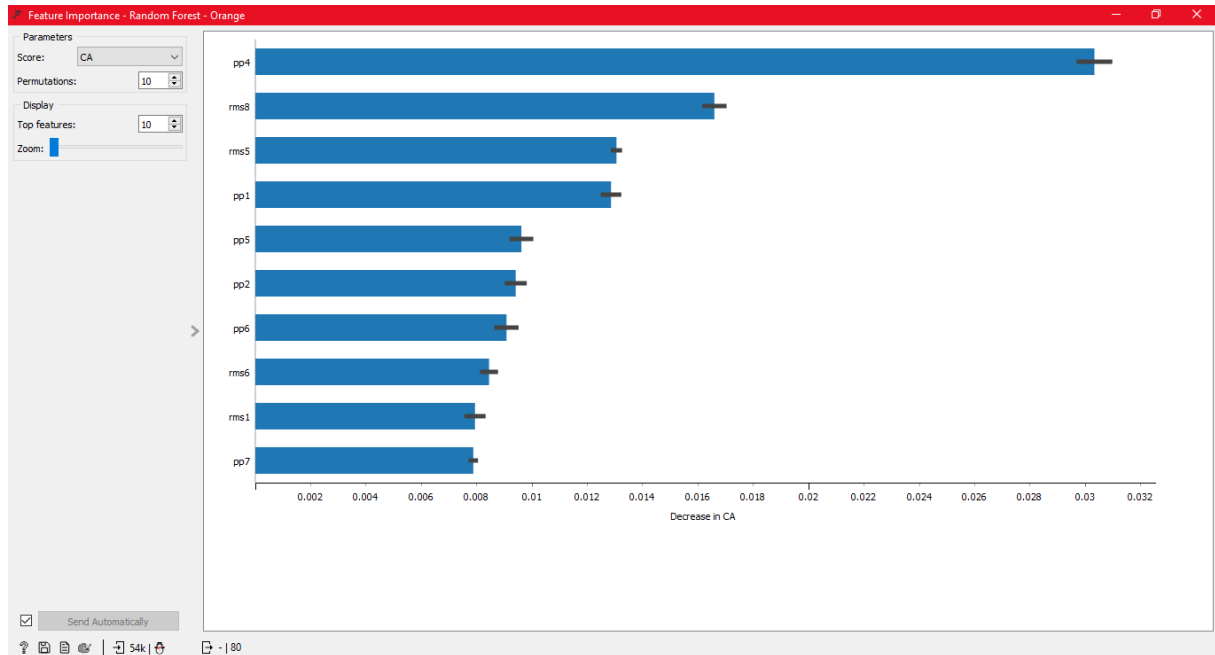
Select Attributes					
<input type="radio"/> None					
<input type="radio"/> All					
<input checked="" type="radio"/> Manual					
<input type="radio"/> Best ranked: 5					
<input checked="" type="checkbox"/> Send Automatically					
#		Gini	ANOVA	ReliefF	
72	N kurtosis4	0.000	25.099	0.002	
73	N kurtosis5	0.001	66.489	0.002	
74	N kurtosis7	0.001	25.885	0.002	
75	N kurtosis3	0.000	12.158	0.002	
76	N kurtosis6	0.000	46.692	0.002	
77	N mean2	0.028	2.312	0.002	
78	N mean8	0.052	12.065	0.001	
79	N kurtosis1	0.001	28.689	0.001	
80	N kurtosis8	0.001	19.540	0.001	

59.9k | - 80 | -

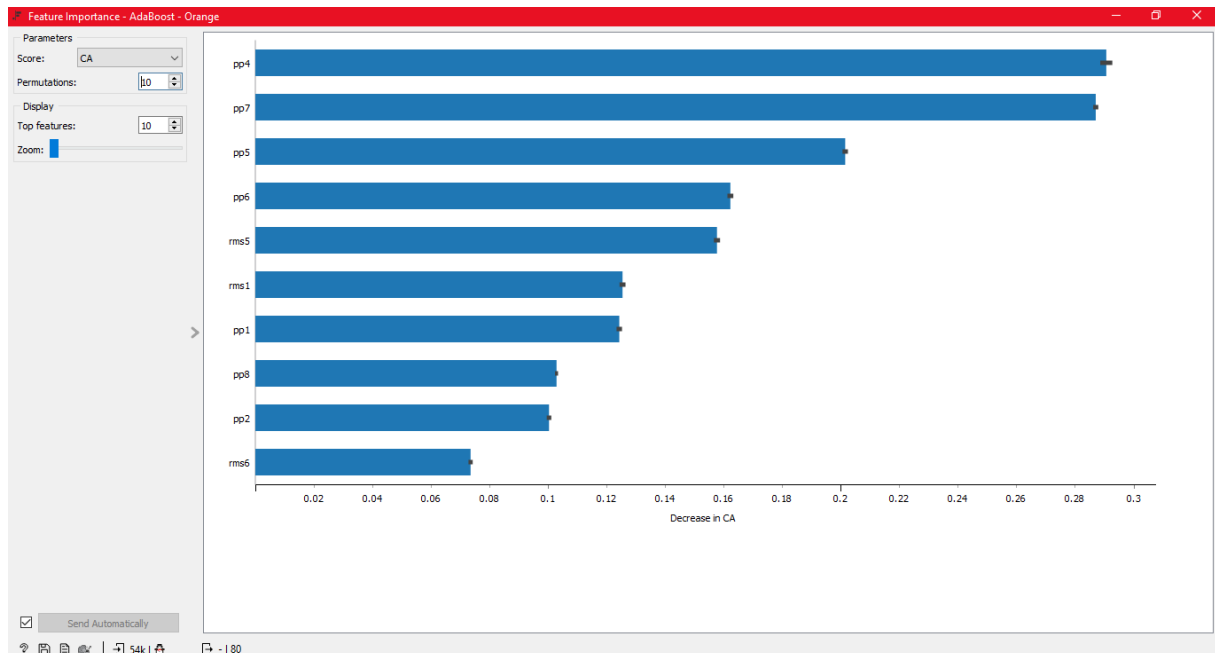
Missing values will be imputed as needed.

Feature Importance:

Random Forest:



AdaBoost:



kNN:

