

Data

Instances: 169517
Condition: label is not 0 AND label is not 7

Output

Matching data: 59945 instances
Non-matching data: 109572 instances



Input

Features: mean, std, max, min, kurtosis, peak-to-peak, zerocross, rms, crest, energy (total: 10 features)
Target: label

Ranks

	#	Info. gain	Gain ratio	Gini	ANOVA	ReliefF
1	peak-to-peak <div>N</div>	0.6882652168075323	0.344187416883771	0.1565563039641512	8249.558953875454	0.017567786975125968
2	rms <div>N</div>	0.6697085334282538	0.3348542676216187	0.15170071366789017	7306.800174849312	0.01298988226925134
3	std <div>N</div>	0.6658405820212492	0.3329202911108702	0.1508784763945228	7216.130614606454	0.011923705351893792
4	min <div>N</div>	0.6588933504337686	0.32961367177342366	0.15308597874599872	7113.526072912296	0.02769780749738348
5	max <div>N</div>	0.6253554985806047	0.31275707382753776	0.1405555419300265	6842.285840688969	0.012472917638674403
6	zerocross <div>N</div>	0.17856318141454652	0.09146909943460396	0.042449086881596654	4425.019624449643	0.01556702721488851
7	energy <div>N</div>	0.6697191238709486	0.3348595620363038	0.15169271067213586	2539.4595328019054	0.005805494050305812
8	crest <div>N</div>	0.007303724385906207	0.0036518622145795708	0.0017040874712048737	128.19722326659559	0.01237300726653517
9	kurtosis <div>N</div>	0.0029366714232175184	0.0014683357120508897	0.000668281535066817	19.53954391431802	0.0025767326869693403
10	mean <div>N</div>	0.26598280725395274	0.13299186591715367	0.051687870080531106	12.064965826616573	0.00606361250506867



Settings

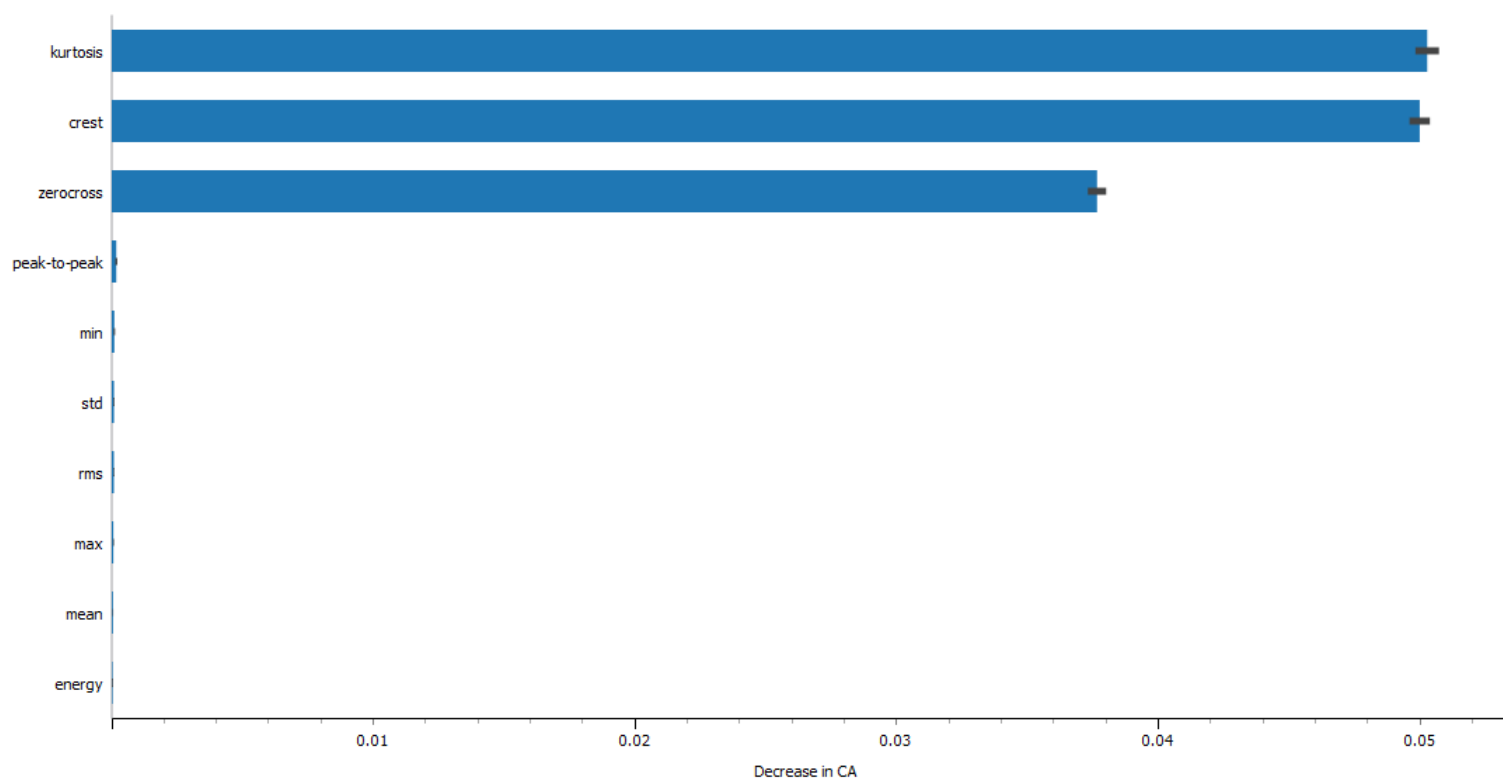
Sampling type: Stratified 5-fold Cross validation
Target class: None, show average over classes

Scores

Model	Train time [s]	Test time [s]	AUC	CA	F1	Precision	Recall
kNN	0.612	2.769	-0.7339318116998549	0.24186762061870956	0.23156670724233103	0.22849056800467535	0.24186762061870956
Random Forest	6.212	0.399	-1.060195437836194	0.49159422438879724	0.48805636975429867	0.4873691776718759	0.49159422438879724
AdaBoost	198.051	2.727	-0.9871856574258507	0.4948008377972605	0.4924103783967612	0.49178966576530564	0.4948008377972605



Score: CA
Permutations: 10

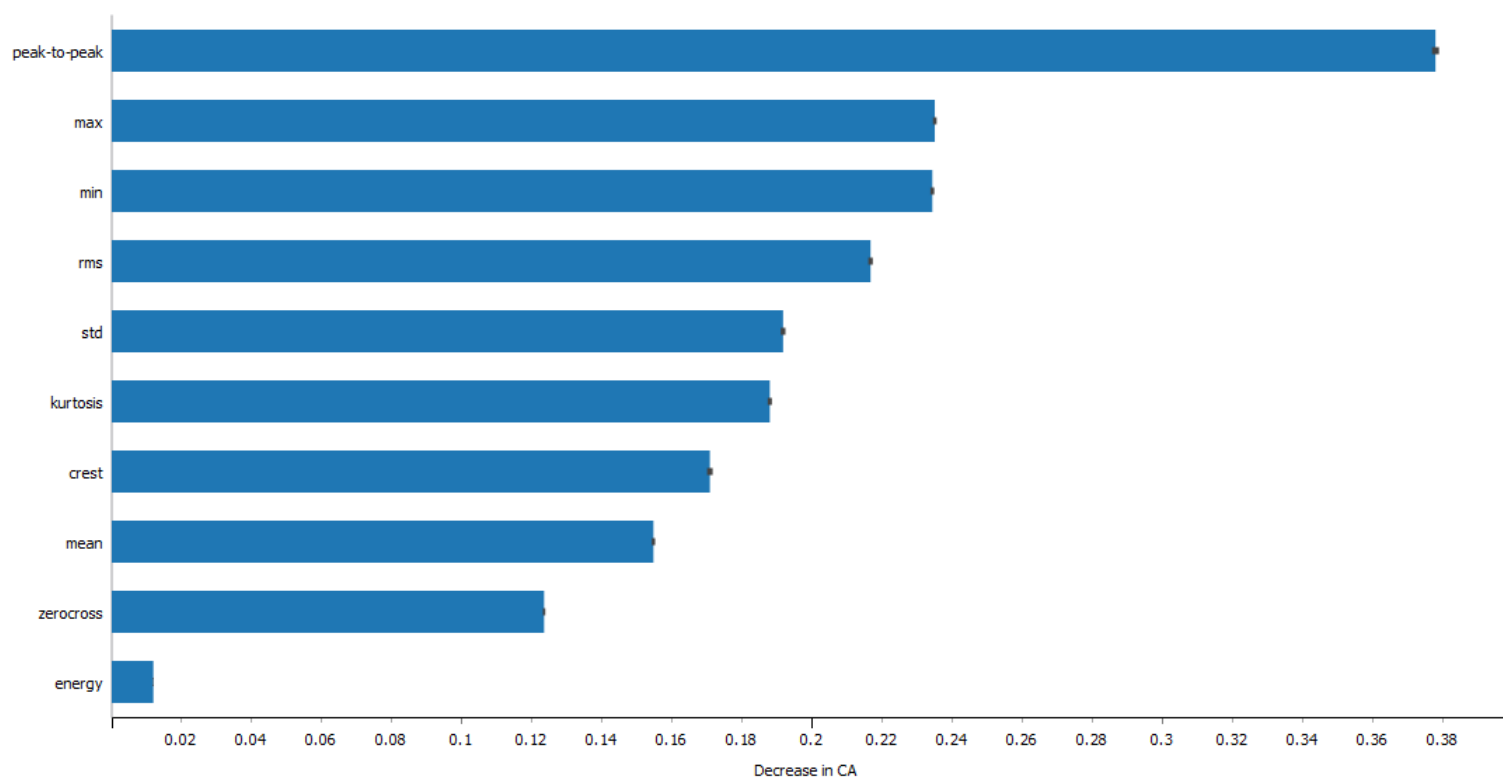


kNN for Feature Importance

Feature Importance

Fri Dec 30 22, 23:05:28

Score: CA
Permutations: 10



Random Forest for Feature Importance