

Homework ranking

Decision trees

Rank	Name	Score	Stdev	Impl	Model details
1*	Margo Kopli	93.8	-	weka	random forest, 10 trees
1	Hendrik Maarand	93.4	4.11	scikit	entropy cost, tree depth 7
2	Olga Dalton	91.9	2.05	self	features split into intervals of range 5, entropy cost
3	Margus Ernits	91.3	1.44	scikit	
4	Margo Kopli	92.7	2.01	weka	consider 9 random features
5	Ottokar Tilk	79.6	2.56	self	features split at median, misclassification cost, depth at least 9
6	Andrey Sergeev	20.2	0.26	self	

* All other implementations could benefit from random forest as well.

K Nearest Neighbours

Rank	Name	Score	Stdev	Impl	Model details
1	Hendrik Maarand	98.3	-	scikit	manhattan distance, K = 9, standardized, stratified cross-validation
2	Olga Dalton	96.7	0.76	self	euclidean distance, K = 21, standardized
3	Ottokar Tilk	92.6	0.00	self	euclidean distance, K = 1, standardized

K-means

Rank	Name	Score	Stdev	Impl	Model details
1	Hendrik Maarand	96.6	0.06	scikit	standardized
2	Olga Dalton	94.5	7.54	self	standardized, restart bad runs
3	Ottokar Tilk	94.2	7.96	self	standardized