PRÁTICA 5

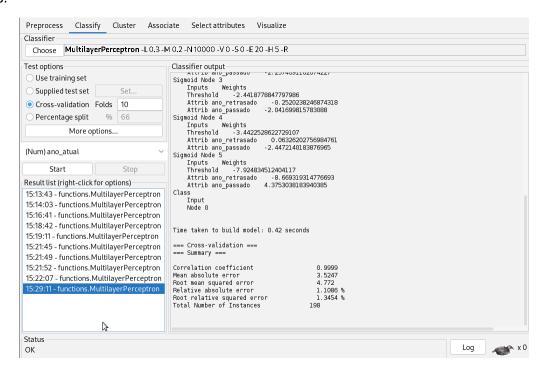
Larissa Magalhães Pereira 13747904

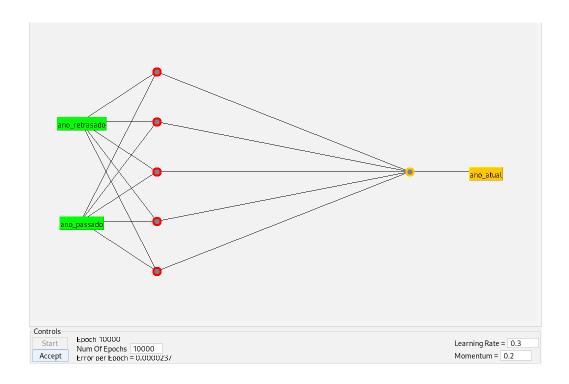
1. Arquivo em anexo (dinpop.arff)

2.

weka.classifiers.functions.MultilayerPerceptron		
batchSize	100	
debug	False	
decay	False	
doNotCheckCapabilities	False	
hiddenLayers	5	
learningRate	0.3	
momentum	0.2	
nominalToBinaryFilter	True	
normalizeAttributes	True	
normalizeNumericClass	True	
numDecimalPlaces	2	
reset	False v	
resume	False	
seed	0	
trainingTime	10000	
validationSetSize	0	
validationThreshold	20	

3.





=== Run information ===

Scheme:

weka.classifiers.functions.MultilayerPerceptron -L 0.3 -M 0.2 -N 10000 -V 0 -S 0 -E 20 -H 5 -R

Relation: population

Instances: 198

Attributes: 3

ano retrasado

ano passado

ano_atual

Test mode: 10-fold cross-validation

=== Classifier model (full training set) ===

Linear Node 0

Inputs Weights

Threshold 1.8580937203987697

Node 1 -5.3190309719959235

Node 2 -2.106707930628191

Node 3 -2.0949482702354034

Node 4 -3.7367420016498327

Node 5 2.9669612138163957 Sigmoid Node 1 Inputs Weights Threshold -2.094196821090617 Attrib ano retrasado -0.5535054530660813 Attrib ano passado 2.2613795348549677 Sigmoid Node 2 Inputs Weights Threshold -2.428945984798322 Attrib ano retrasado 0.1530306822313657 Attrib ano passado -2.2574691102674227 Sigmoid Node 3 Inputs Weights Threshold -2.4418778847797986 Attrib ano_retrasado -0.2520238246874318 Attrib ano passado -2.041699815783088 Sigmoid Node 4 Inputs Weights Threshold -3.4422528622729107 Attrib ano passado -2.4472140183876965 Sigmoid Node 5 Inputs Weights Threshold -7.924834512404117 Attrib ano retrasado -8.669319314776693 Attrib ano passado 4.3753038183940385 Class Input Node 0 Time taken to build model: 0.42 seconds

=== Cross-validation ===

=== Summary ===

Correlation coefficient	0.9999
Mean absolute error	3.5247
Root mean squared error	4.772
Relative absolute error	1.1086 %
Root relative squared error	1.3454 %
Total Number of Instances	198