

Testy algorytmów dla:

Dane treningowe: 1 i 2 zbiór danych zniekształconych

Dane testowe: 3 zbiór danych zniekształconych

Wyniki:

a) AdditiveRegression

Correlation coefficient	0.9755
Mean absolute error	1754.1354
Root mean squared error	2115.5136
Relative absolute error	22.8331 %
Root relative squared error	22.6922 %

b) Bagging

Correlation coefficient	0.9999
Mean absolute error	111.0984
Root mean squared error	141.7647
Relative absolute error	1.4461 %
Root relative squared error	1.5206 %

c) DecisionTable

Correlation coefficient	0.9955
Mean absolute error	718.407
Root mean squared error	885.9049
Relative absolute error	9.3513 %
Root relative squared error	9.5027 %

d) IBk

Correlation coefficient	1
Mean absolute error	0
Root mean squared error	0
Relative absolute error	0 %
Root relative squared error	0 %

e) MultilayerPerceptron

Correlation coefficient	0.9976
Mean absolute error	575.7788
Root mean squared error	709.6076
Relative absolute error	7.4948 %
Root relative squared error	7.6116 %

f) RandomCommittee

Correlation coefficient	0.9997
Mean absolute error	171.9975
Root mean squared error	210.8841
Relative absolute error	2.2388 %
Root relative squared error	2.2621 %

g) RandomForest

Correlation coefficient	0.9999
Mean absolute error	101.6545
Root mean squared error	132.3809
Relative absolute error	1.3232 %
Root relative squared error	1.42 %

h) RandomizableFilteredClassifier

Correlation coefficient	1
Mean absolute error	0
Root mean squared error	0
Relative absolute error	0 %
Root relative squared error	0 %

i) RandomTree

Correlation coefficient	0.9997
Mean absolute error	171.9975
Root mean squared error	210.8841
Relative absolute error	2.2388 %
Root relative squared error	2.2621 %

j) REPTree

Correlation coefficient	0.9997
Mean absolute error	175.5455
Root mean squared error	215.7552
Relative absolute error	2.285 %
Root relative squared error	2.3143 %

k) Neural network

Mean absolute error:	848.2371743174041
Root mean squared error:	1500.7133649484026
Relative absolute error:	5.874482706131086%
Root relative squared error:	10.39321899130812%