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%