Testy algorytmów dla:

Dane treningowe: 1 i 2 zbiór danych pierwotnych

Dane testowe: 3 zbiór danych pierwotnych

Wyniki:

a) AdditiveRegression

Correlation coefficient 0.9761

Mean absolute error 1688.5963

Root mean squared error 2080.8037

Relative absolute error 21.6545 %

Root relative squared error 22.1839 %

b) Bagging

Correlation coefficient 0.9999

Mean absolute error 111.1734

Root mean squared error 142.3858

Relative absolute error 1.4257 %

Root relative squared error 1.518 %

c) DecisionTable

Correlation coefficient 0.9956

Mean absolute error 714.0324

Root mean squared error 876.7127

Relative absolute error 9.1567 %

Root relative squared error 9.3468 %

d) IBk

Correlation coefficient 1

Mean absolute error 1.3135

Root mean squared error 2.2065

Relative absolute error 0.0168 %

Root relative squared error 0.0235 %

e) MultilayerPerceptron

Correlation coefficient 0.9974

Mean absolute error 570.1278

Root mean squared error 716.6294

Relative absolute error 7.3113 %

Root relative squared error 7.6401 %

f) RandomCommittee

Correlation coefficient 0.9997

Mean absolute error 176.6571

Root mean squared error 218.3294

Relative absolute error 2.2654 %

Root relative squared error 2.3277 %

g) RandomForest

Correlation coefficient 0.9999

Mean absolute error 105.6063

Root mean squared error 136.2679

Relative absolute error 1.3543 %

Root relative squared error 1.4528 %

h) RandomizableFilteredClassifier

Correlation coefficient 1

Mean absolute error 1.3135

Root mean squared error 2.2065

Relative absolute error 0.0168 %

Root relative squared error 0.0235 %

i) RandomTree

Correlation coefficient 0.9997

Mean absolute error 176.6571

Root mean squared error 218.3294

Relative absolute error 2.2654 %

Root relative squared error 2.3277 %

j) REPTree

Correlation coefficient 0.9997

Mean absolute error 181.9767

Root mean squared error 222.8701

Relative absolute error 2.3337 %

Root relative squared error 2.3761 %

k) Neural network

Mean absolute error: 861.4119591414386

Root mean squared error: 1472.134652634694

Relative absolute error: 5.941922502989519%

Root relative squared error: 10.154618736242194%