

EXPERIMENT-14

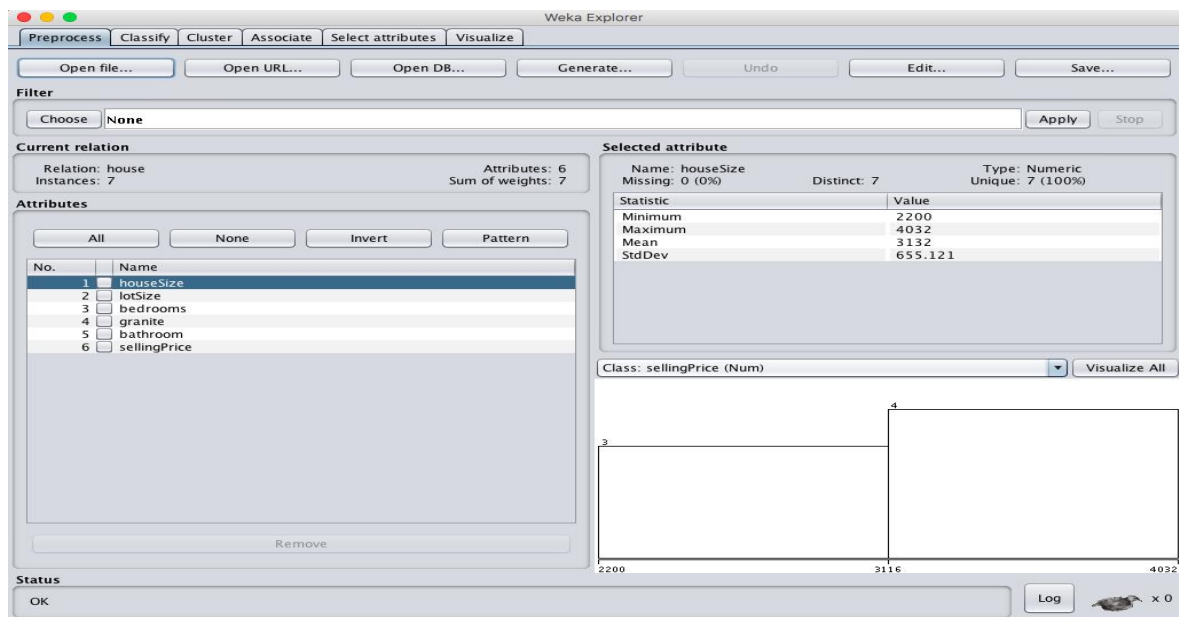
NUMERICAL PREDICTION ANALYSIS USING LINEAR REGRESSION THROUGH WEKA

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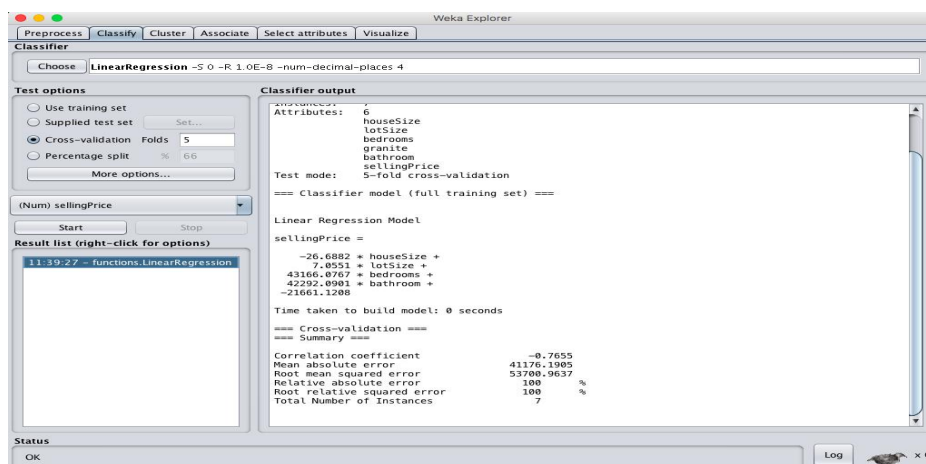
Reg.No: 192111088

Subject: CSA1672, Data warehouse and data mining

OUTPUT:



When cross validation folds = 05 :



Preprocess

Classify

Cluster

Associate

Select attributes

Visualize

Weka Explorer

Classifier

Choose

LinearRegression -S 0 -R 1.0E-8 -num-decimal-places 4

Test options

☐ Use training set

☐ Supplied test set

☒ Cross-validation

☐ Percentage split

Folds

66

More options...

(Num) sellingPrice

Start

Stop

Result list (right-click for options)

18:25:34 - functions.LinearRegression

18:25:42 - functions.LinearRegression

Classifier output

Instances: 7

Attributes: 6

houseSize

lotSize

bedrooms

granite

bathroom

sellingPrice

Test mode: 7-fold cross-validation

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

Linear Regression Model

sellingPrice =

-26.6882 * houseSize +

7.8551 * lotSize +

43166.8767 * bedrooms +

42292.8901 * bathroom +

-21661.1208

Time taken to build model: 0 seconds

=== Cross-validation ===

=== Summary ===

Correlation coefficient -1

Mean absolute error 36009.5238

Root mean squared error 50822.8732

Relative absolute error 100 %

Root relative squared error 100 %

Total Number of Instances 7

Status

OK

Log

x 0