Build Classification Model Using WEKA

ISE4132 : AI Application System

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Selecting Dataset

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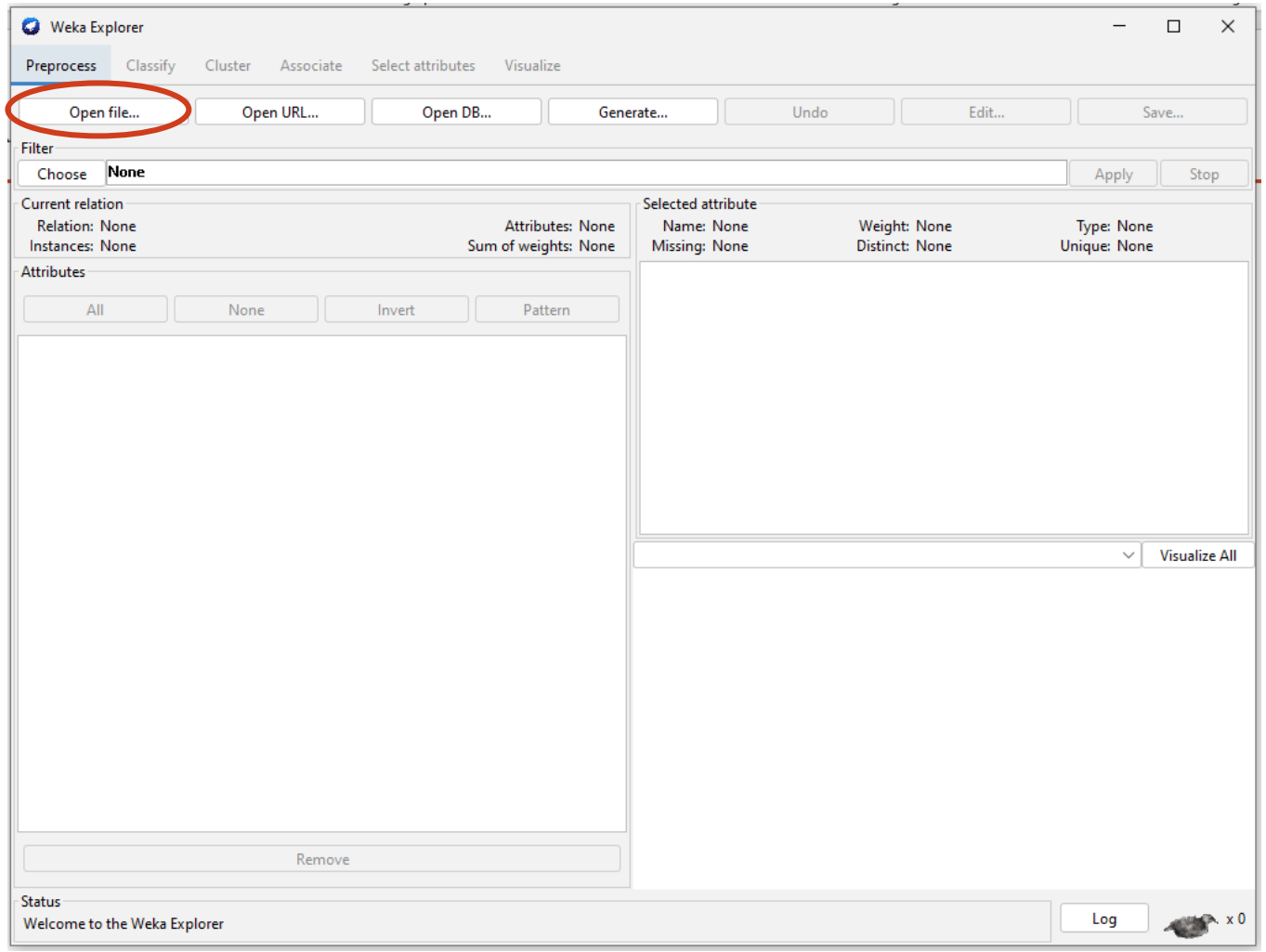

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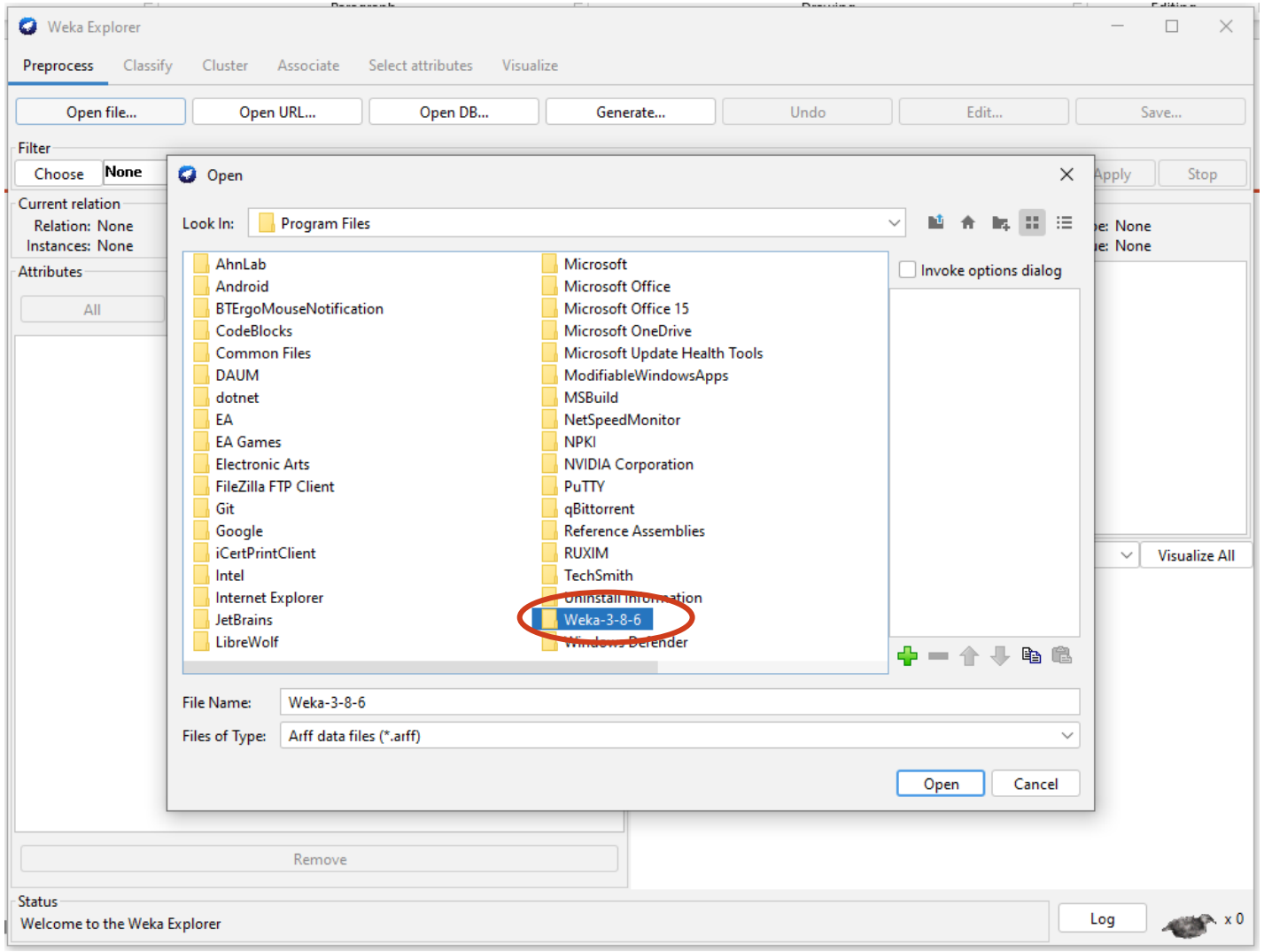
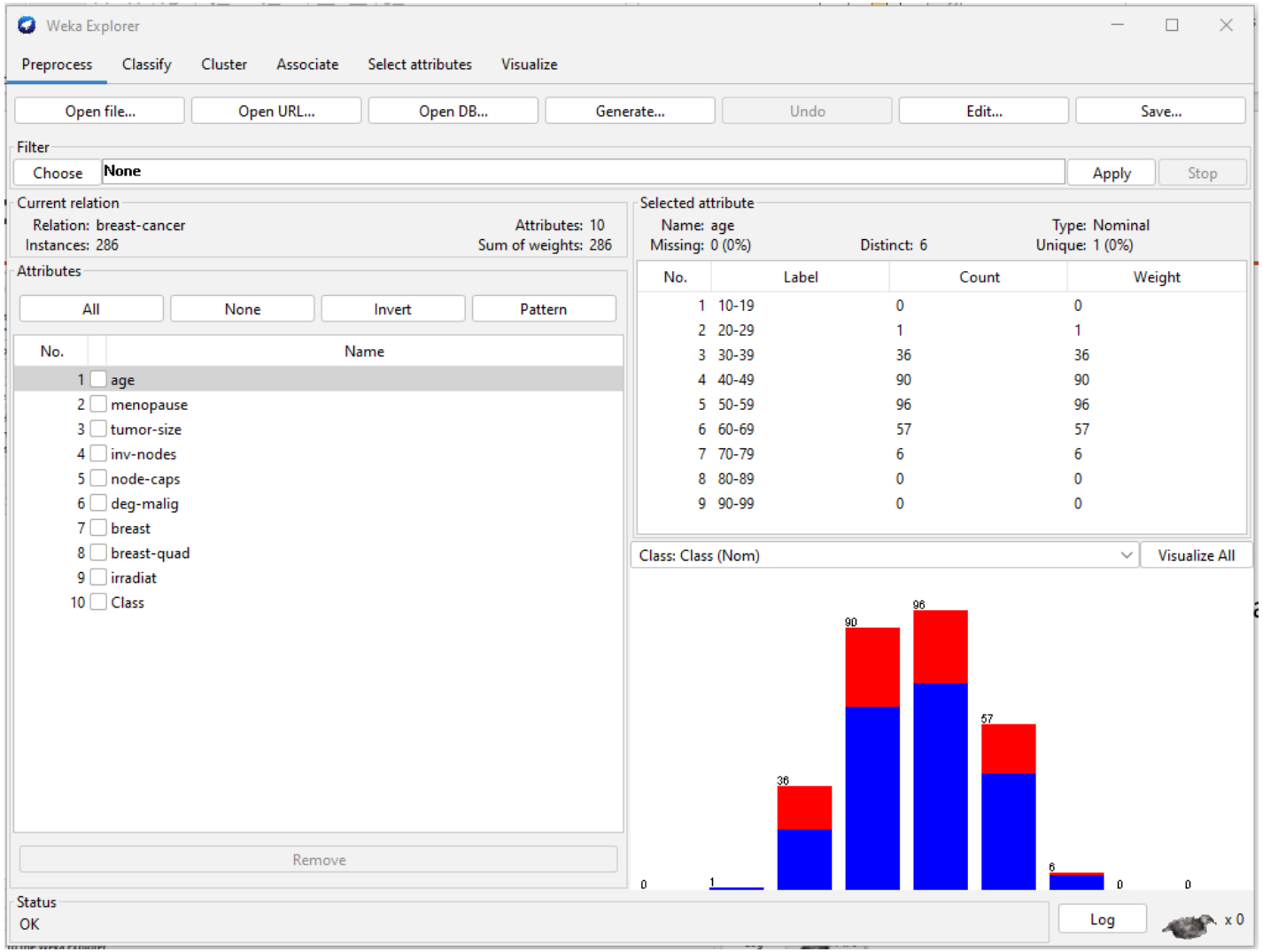
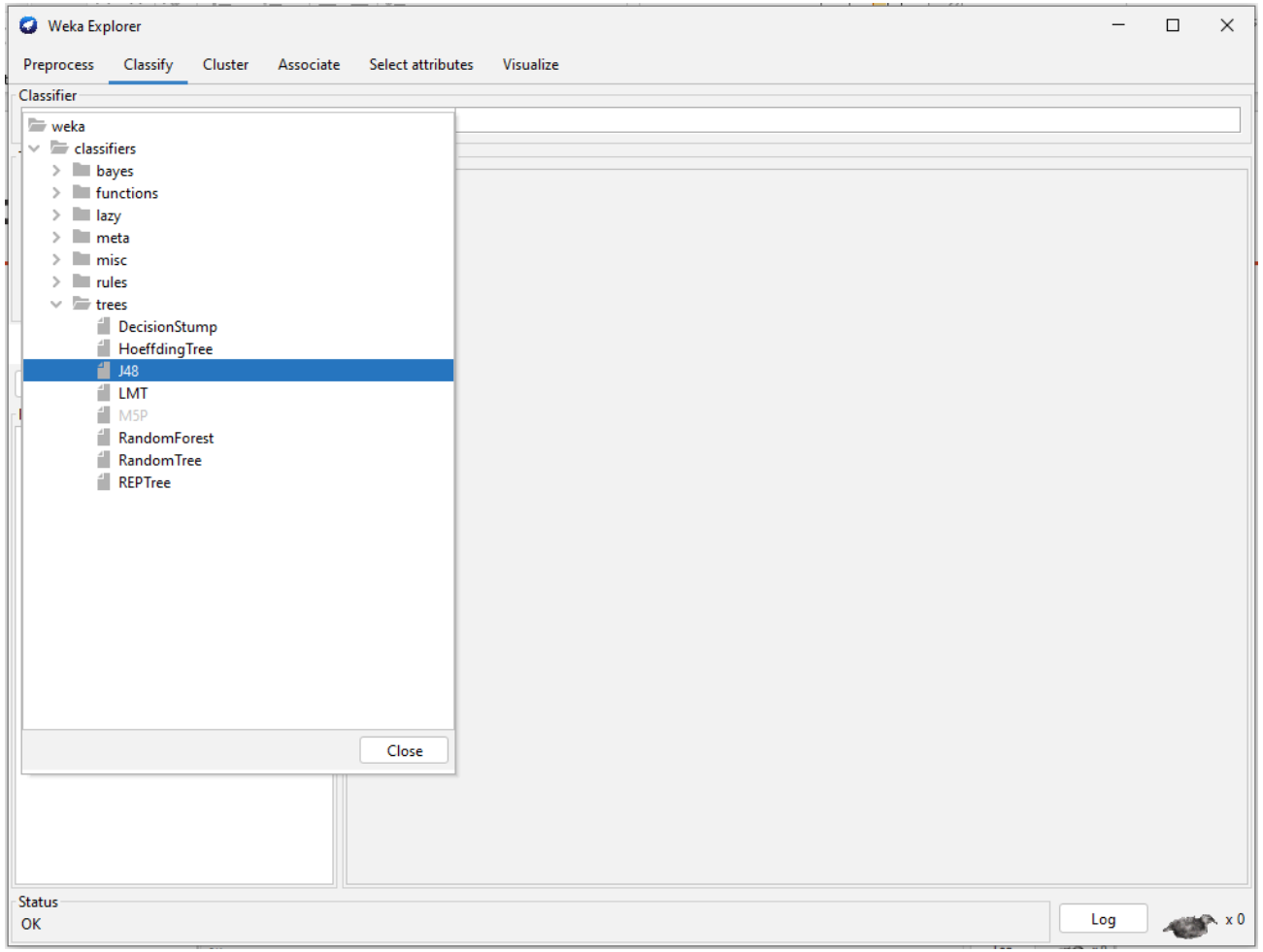


Weka-3-8-6 > data > breast-cancer

Selecting Dataset



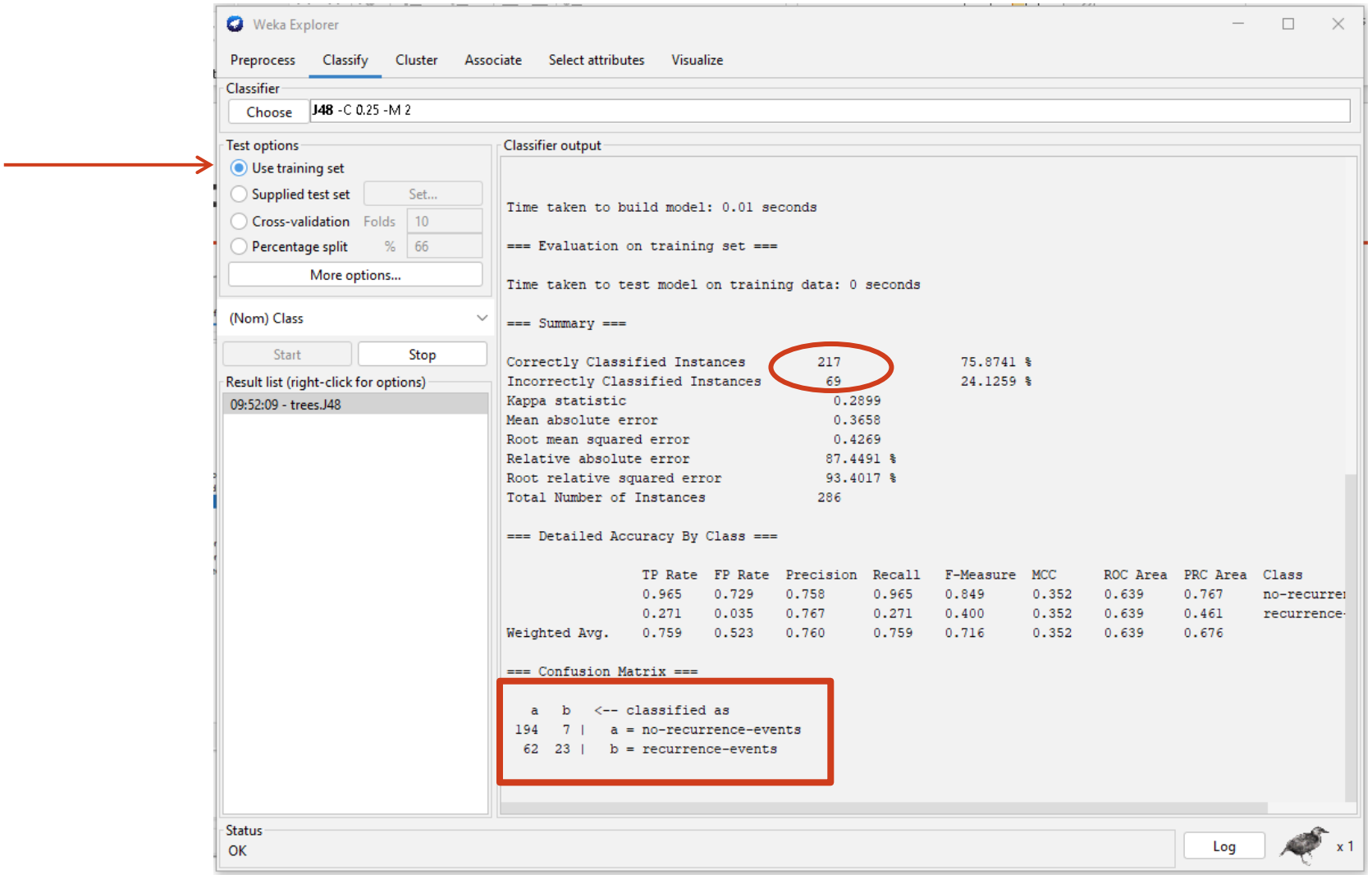
Select Classifiers



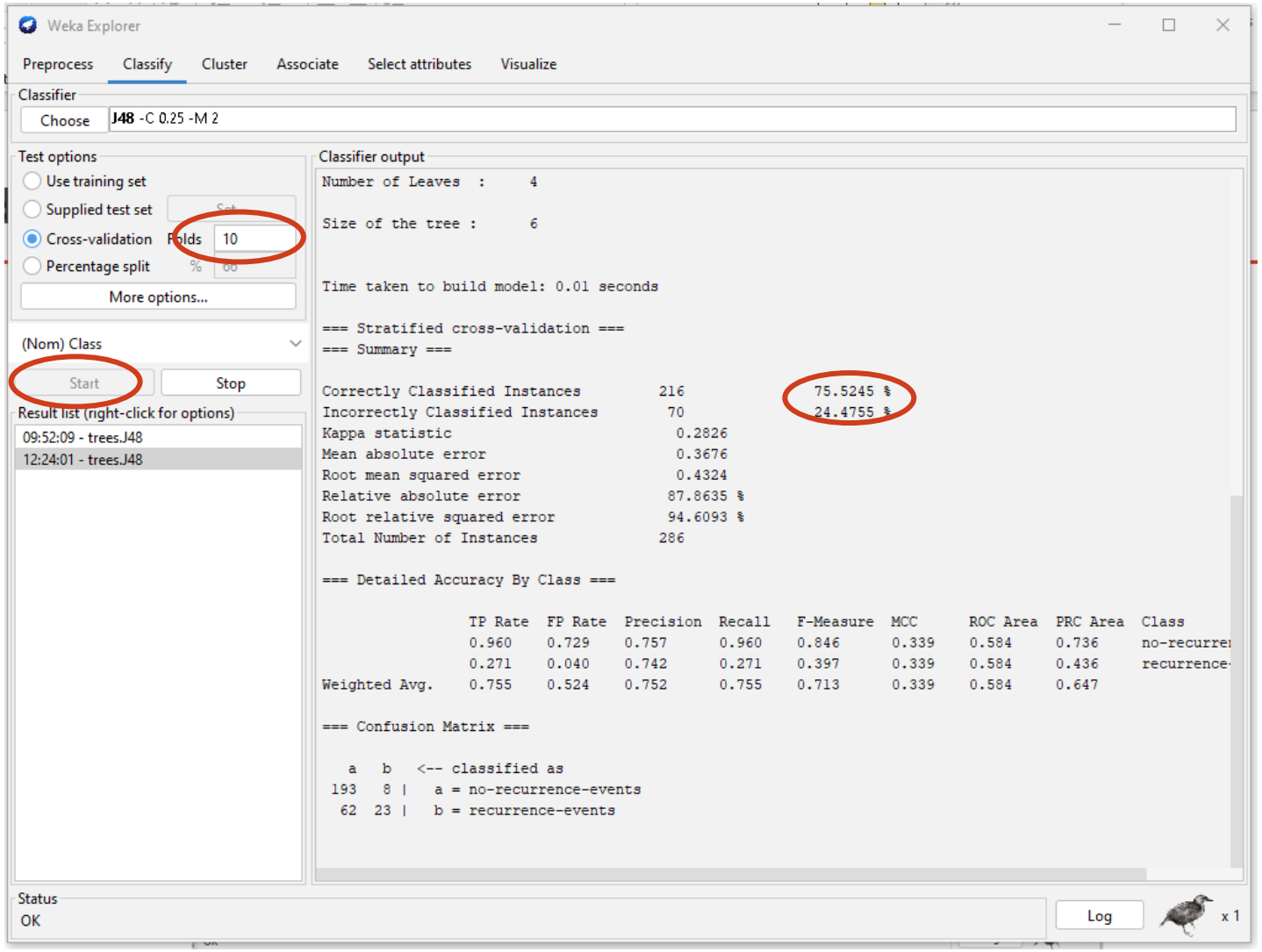
Classifiers: trees > J48

J48 is a machine learning decision tree classification algorithm based on Iterative Dichotomiser 3. It is very helpful in examine the data categorically and continuously.

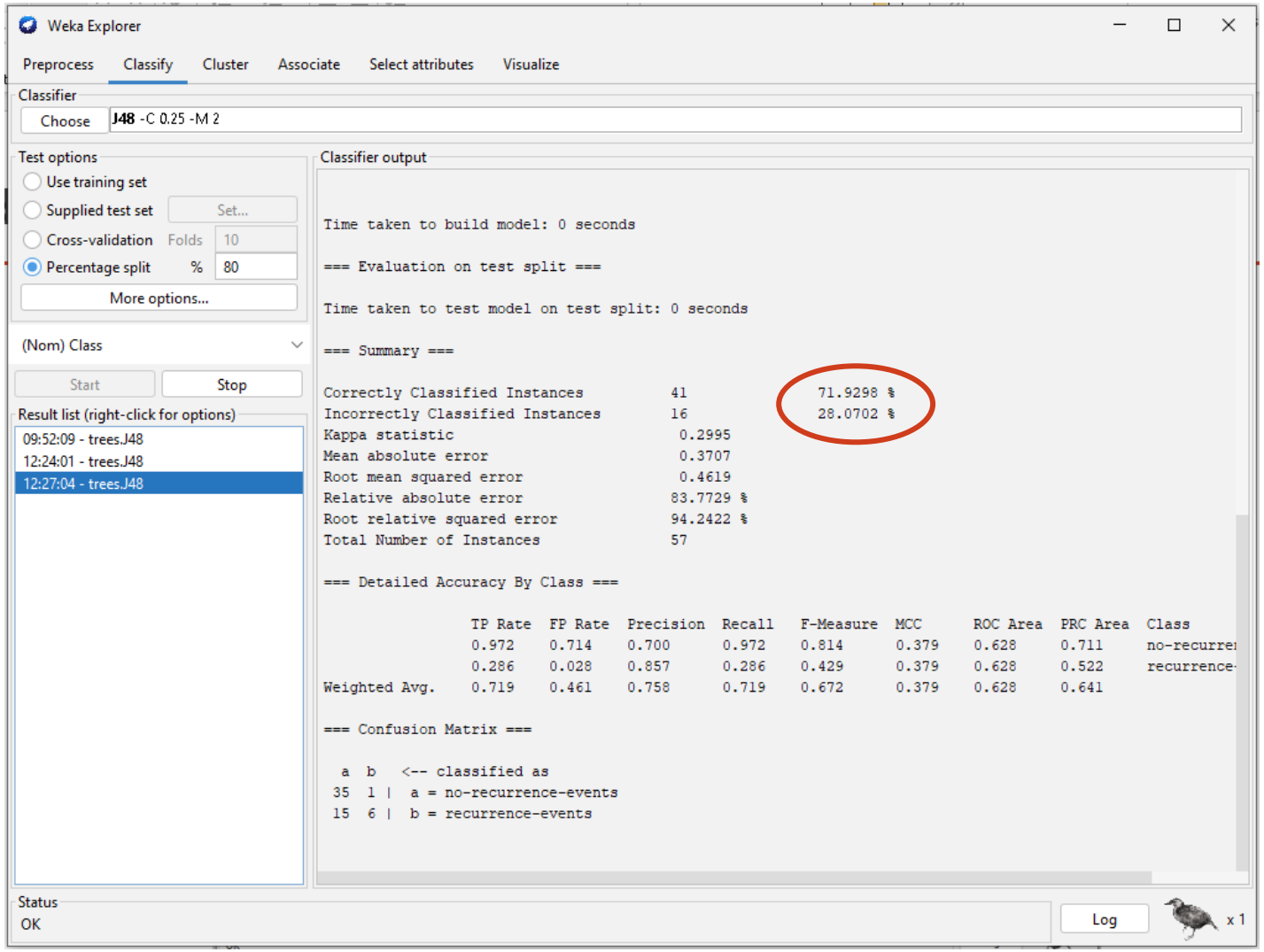
Build ML Model Using J48 (Use Training Set)



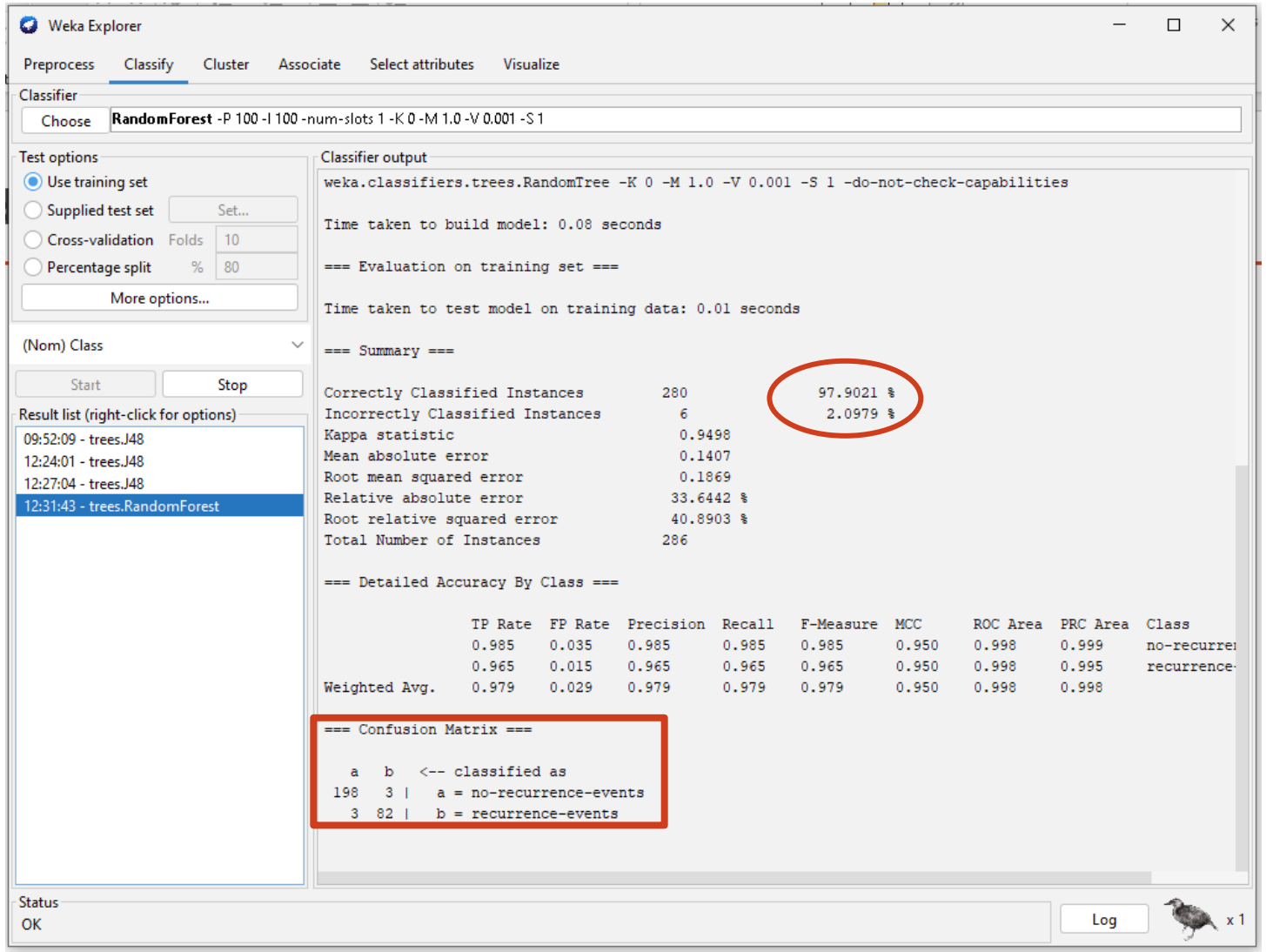
Build ML Model Using J48 (Use Cross-Validation)



Build ML Model Using J48 (Use Split)

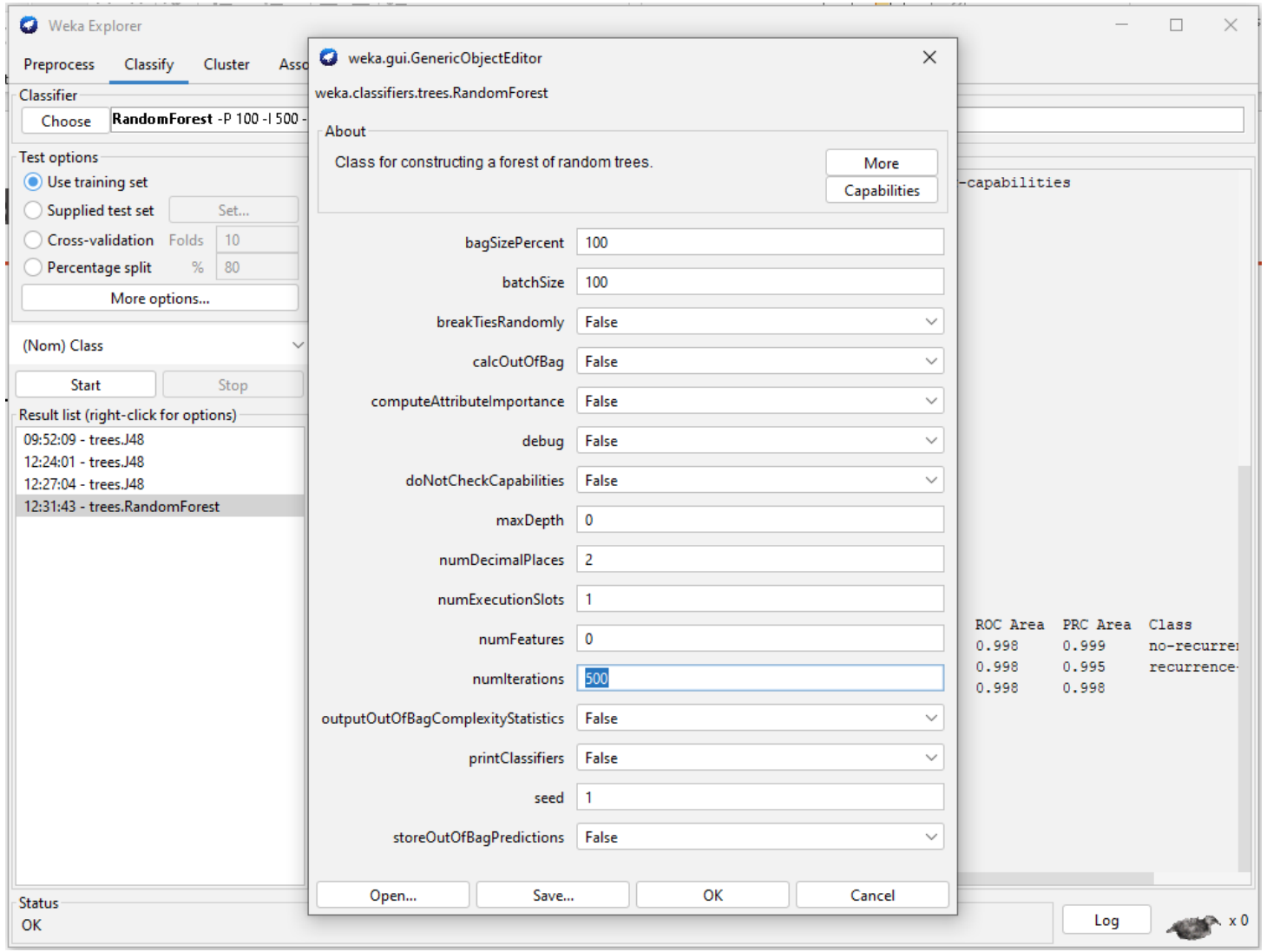


Build ML Model Using Random Forest

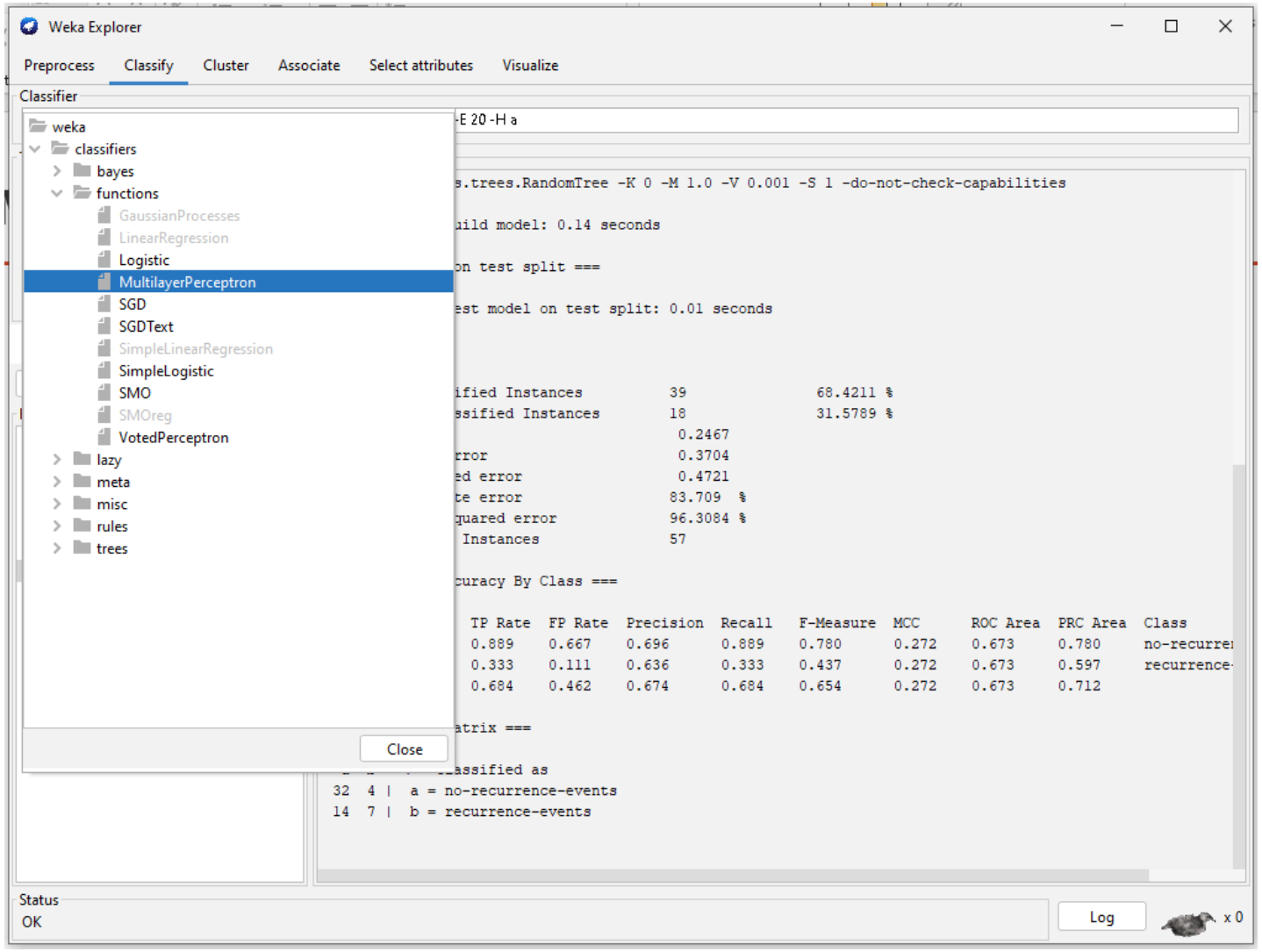


Now try with cross-validation and percentage split. Then check the results.

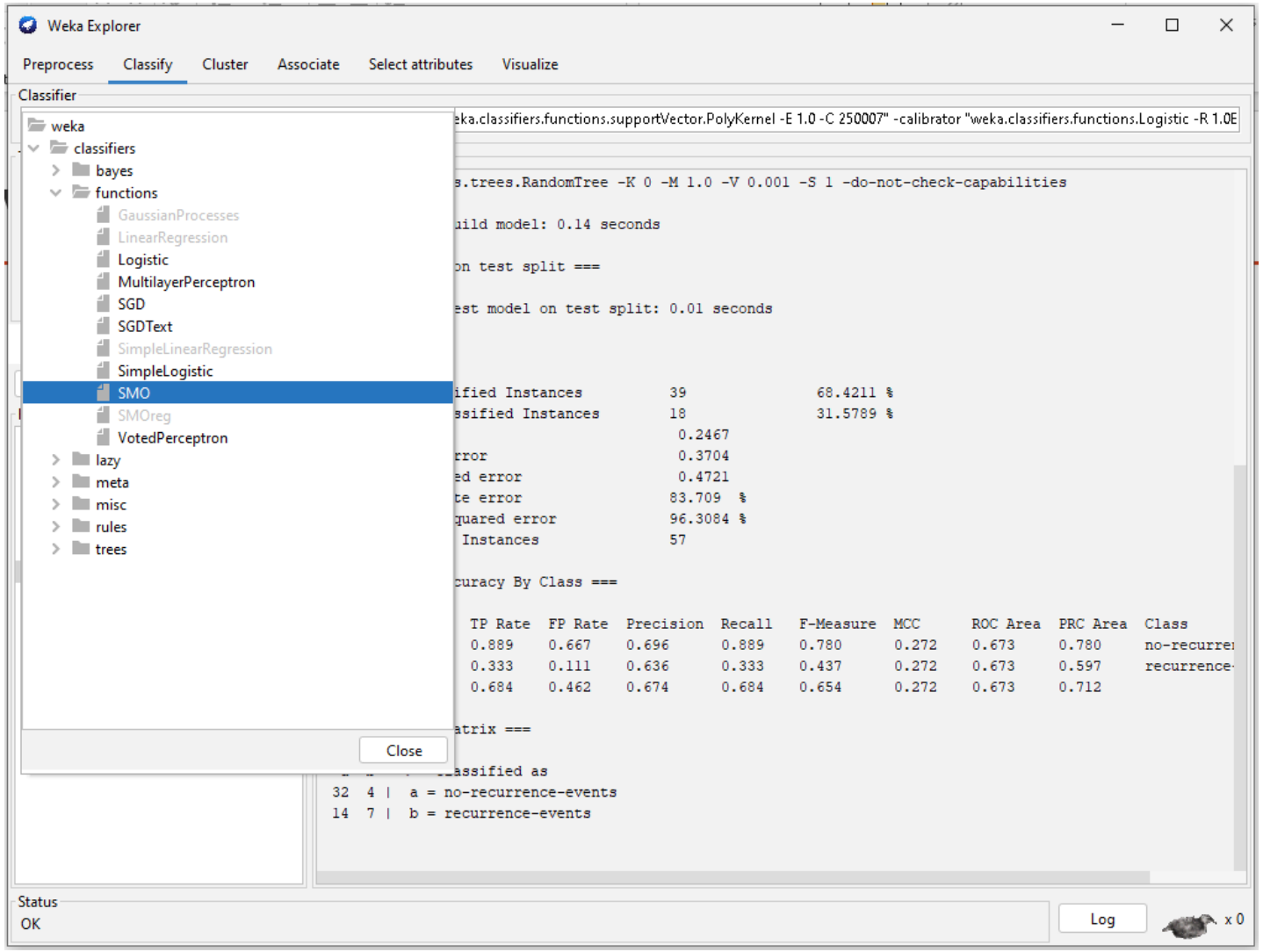
Configure ML Model

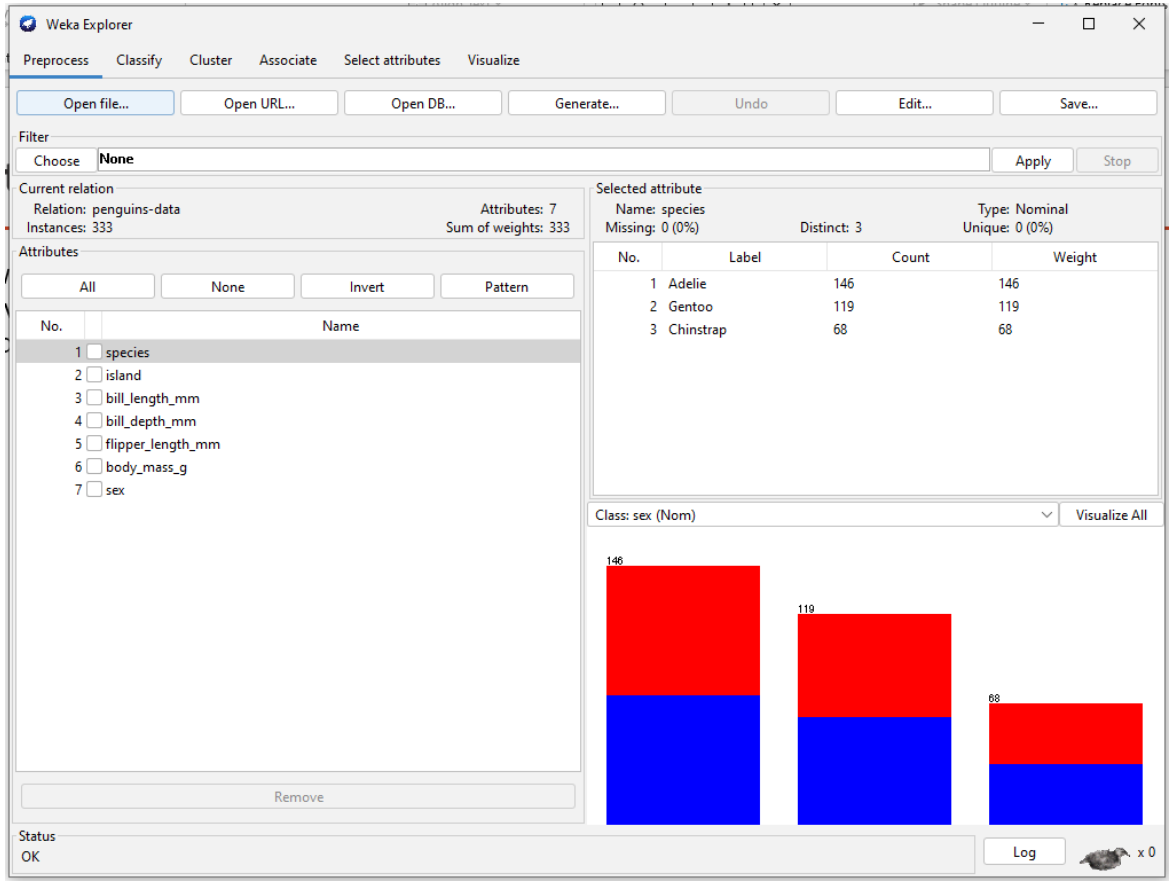


Use Multilayer Perception



Use Support Vector Machine



Class Activity

1. Download csv file from iclass
2. Convert the file for weka dataset
3. Load the dataset into Weka
4. Normalize the data
5. Use J48 model with all test options and check the result.
6. Use Random Forest model with all test options and check the result.
7. Use Multilayer Perception model with all test options and check the result.
8. Use SVO model with all test options and check the result.