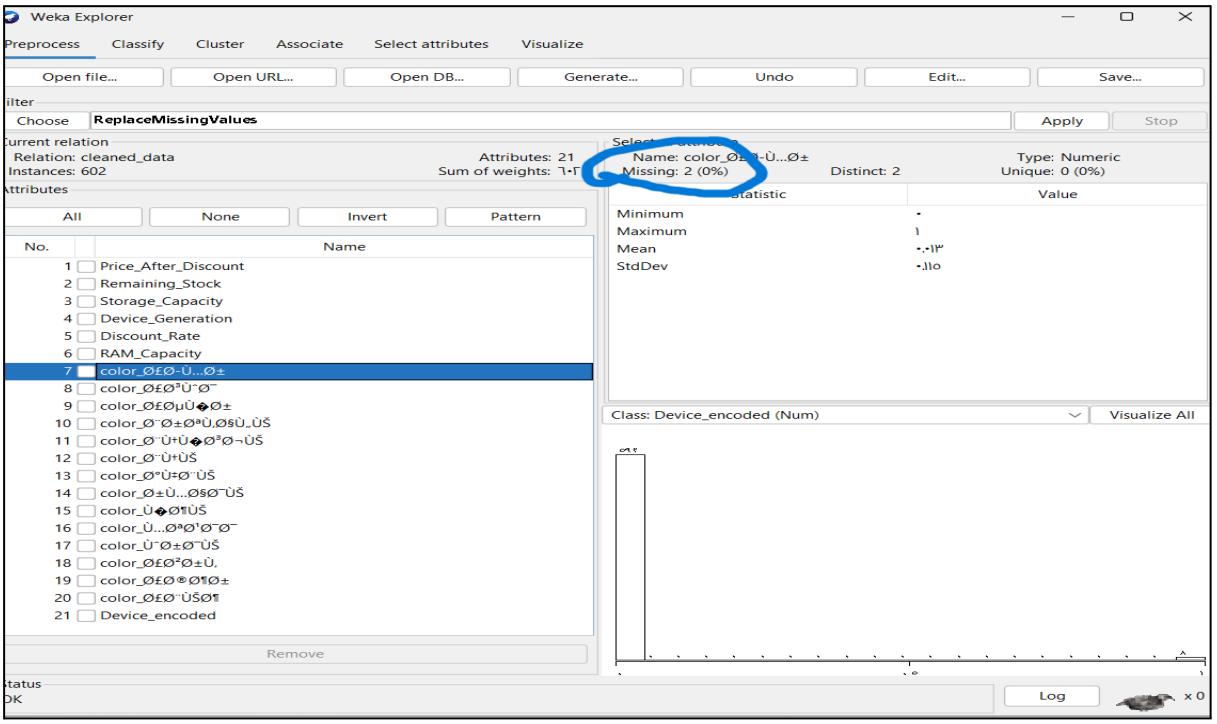
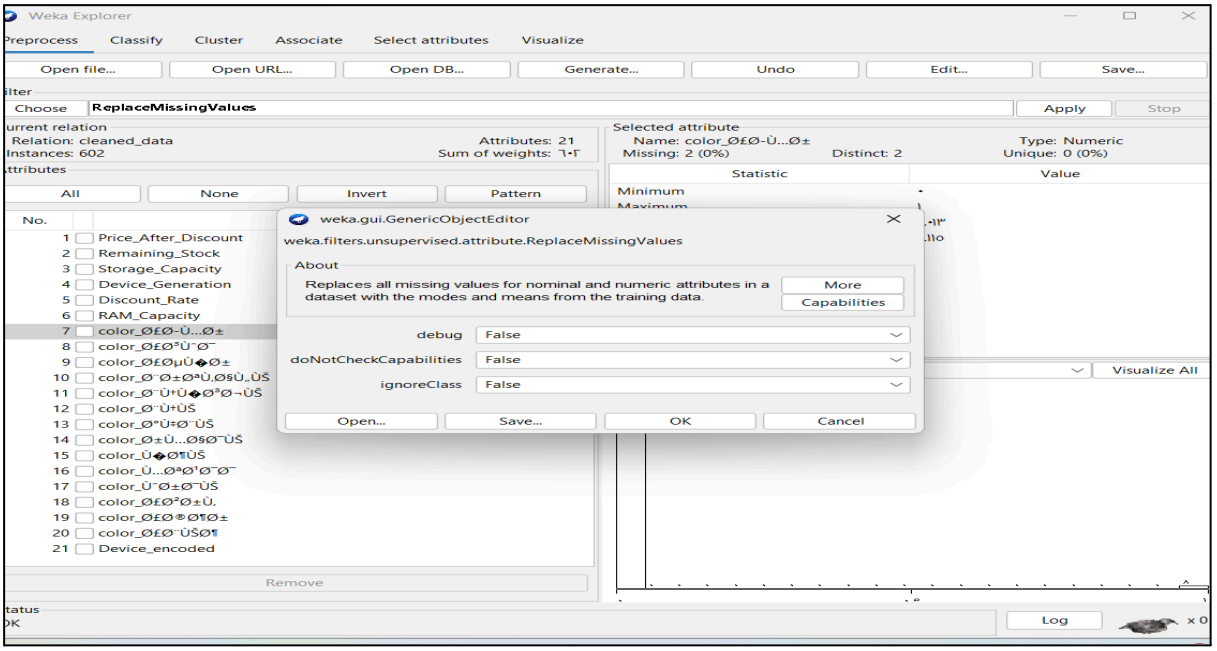
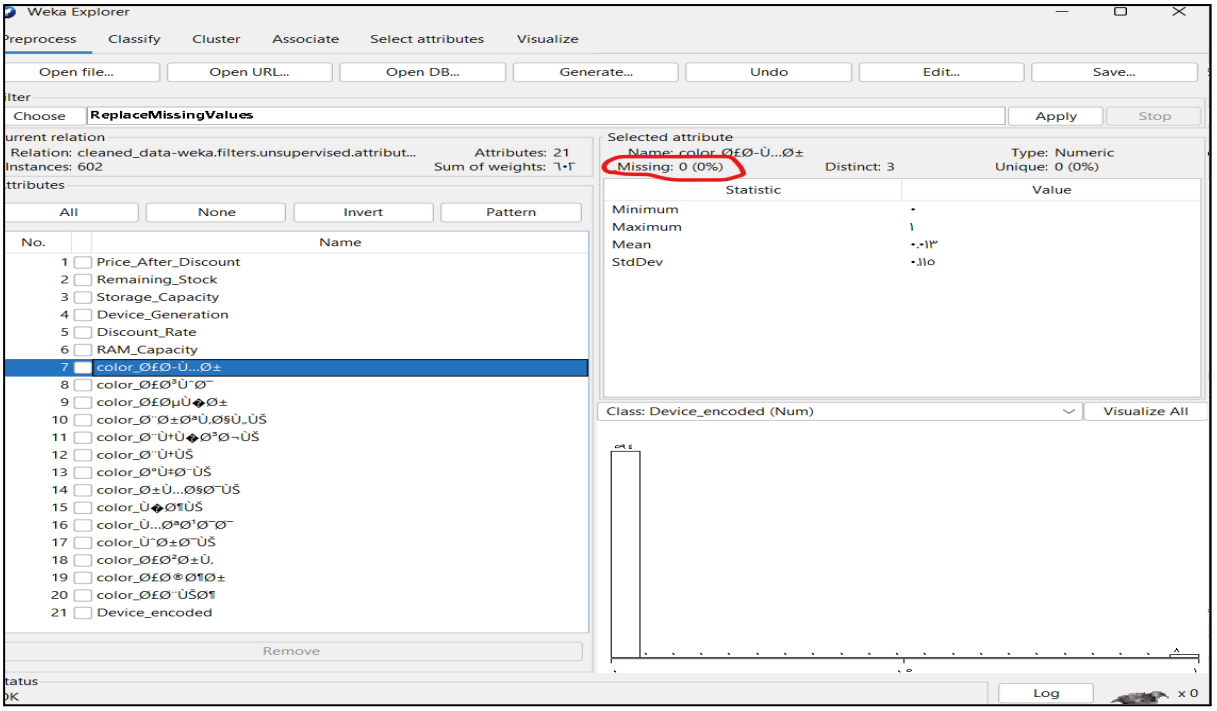
## WEKA Tasks

7. Preprocessing with WEKA Filters

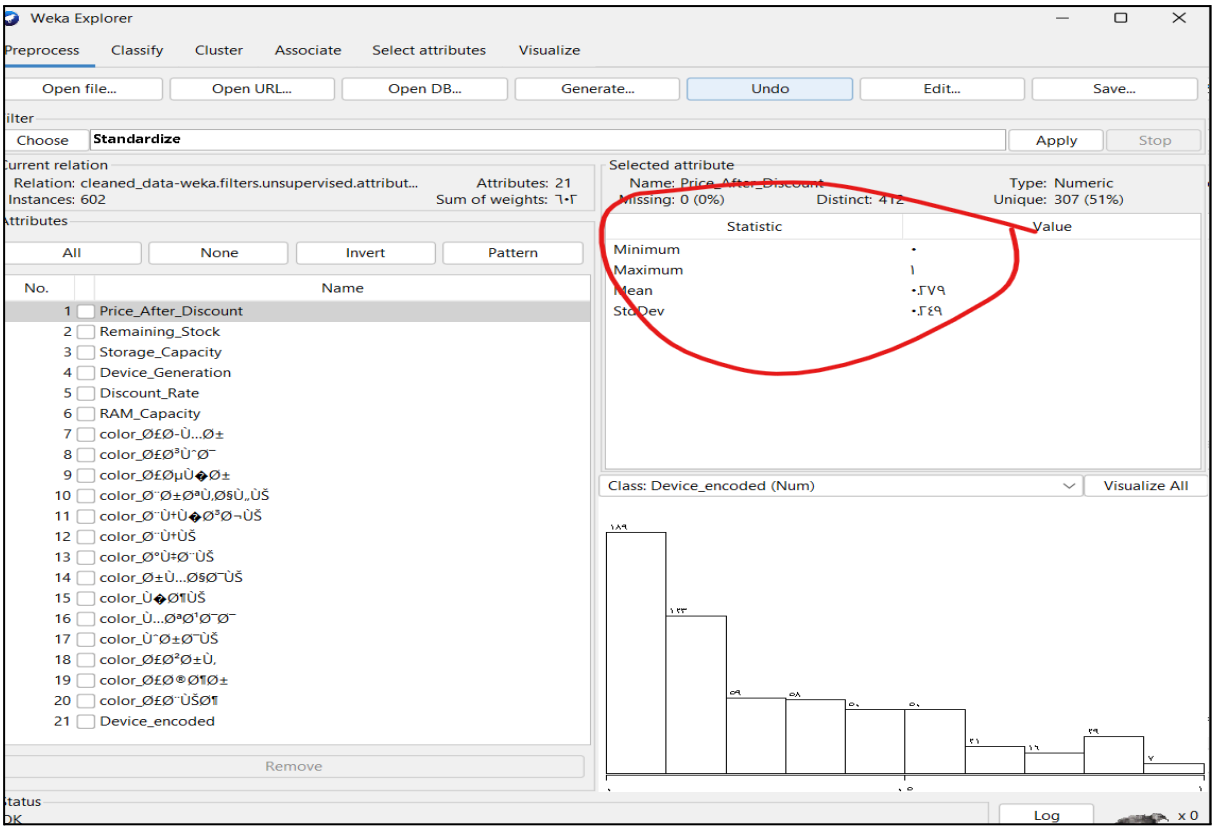
- Missing value handling (e.g., ReplaceMissingValues).

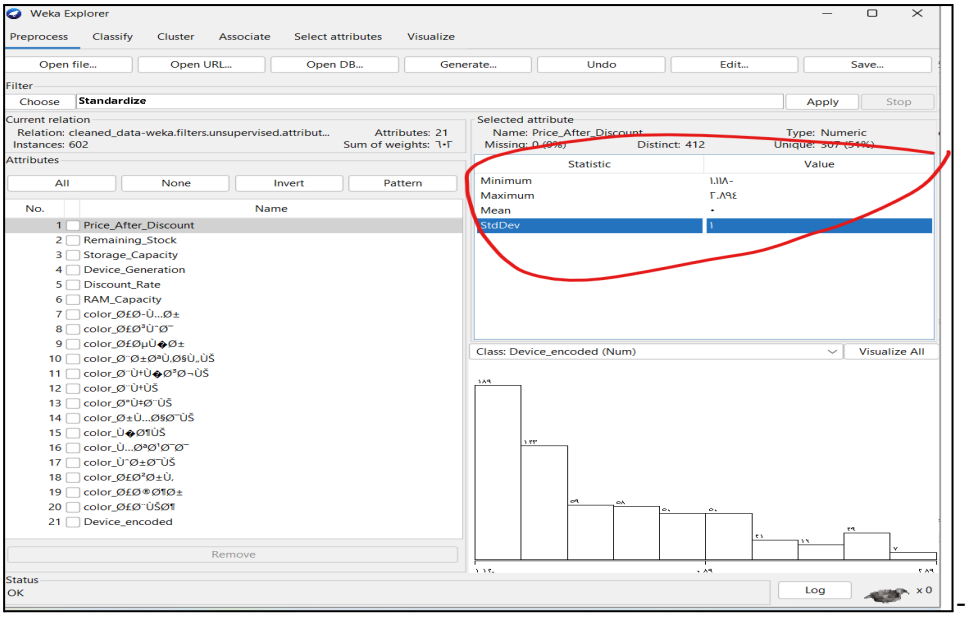





- Normalization/Standardization (e.g., Normalize, Standardize).



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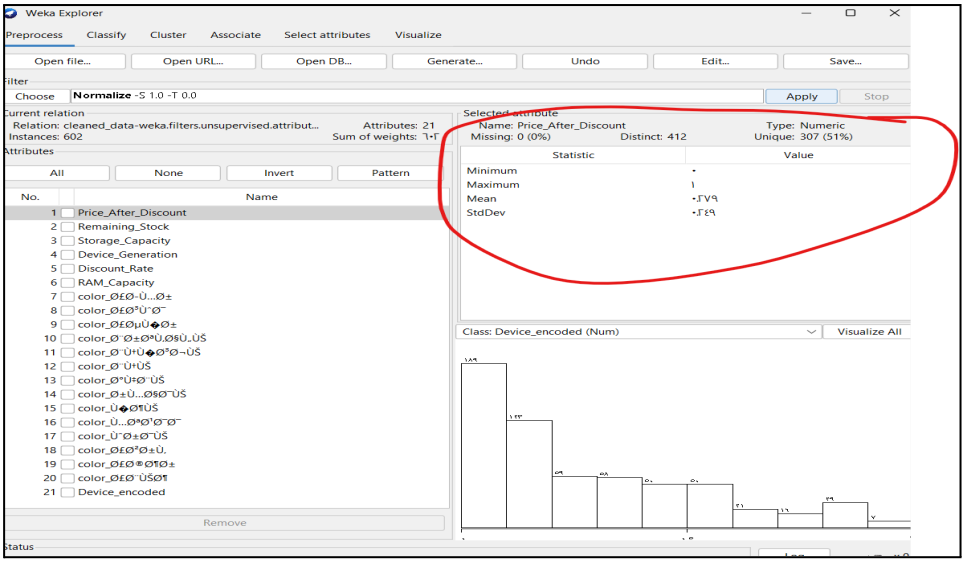
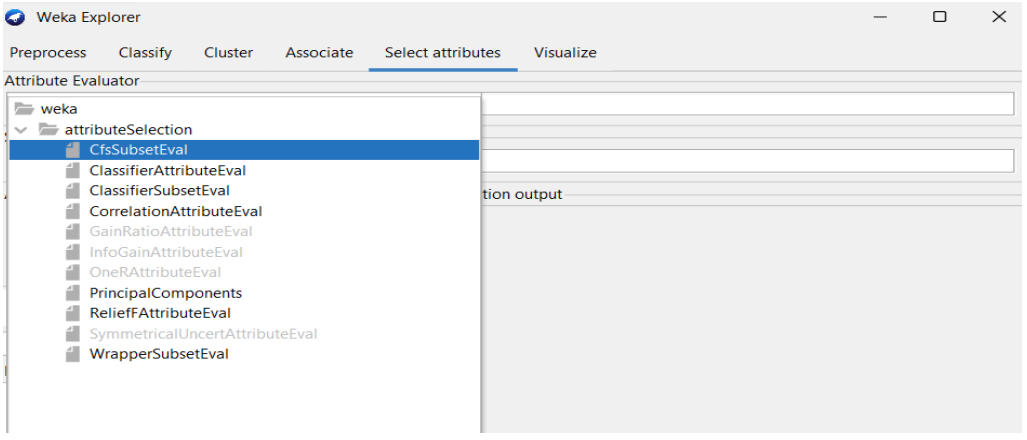
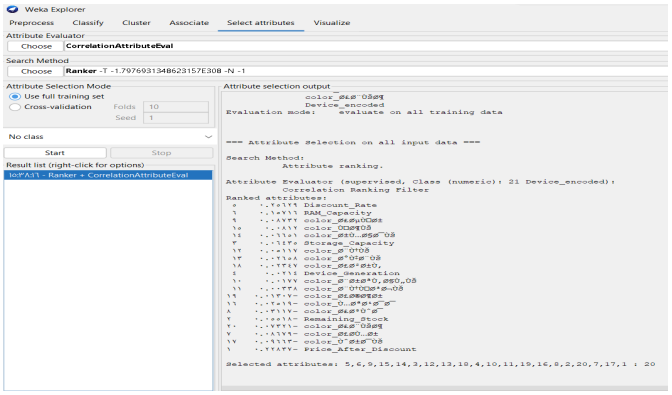


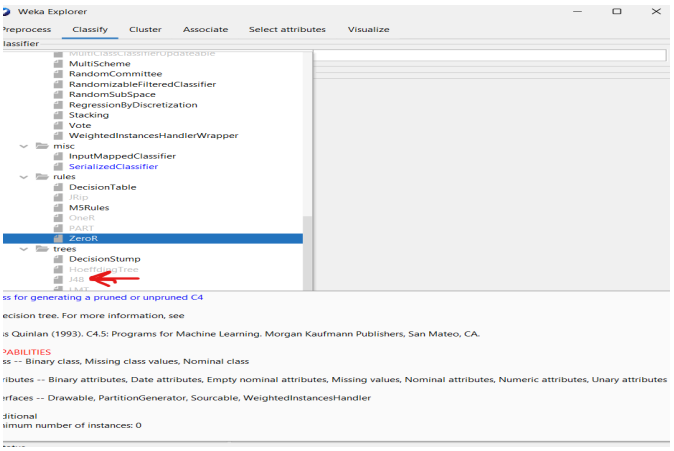

- Feature selection (e.g., CorrelationAttributeEval).



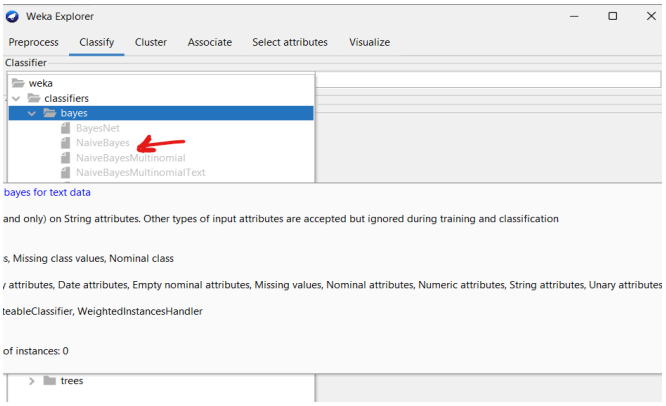

## 8. Model Training & Hyperparameter Tuning

- J48 (Decision Tree)

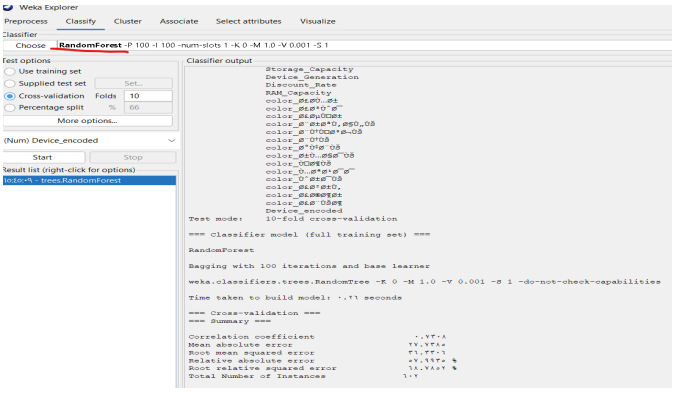


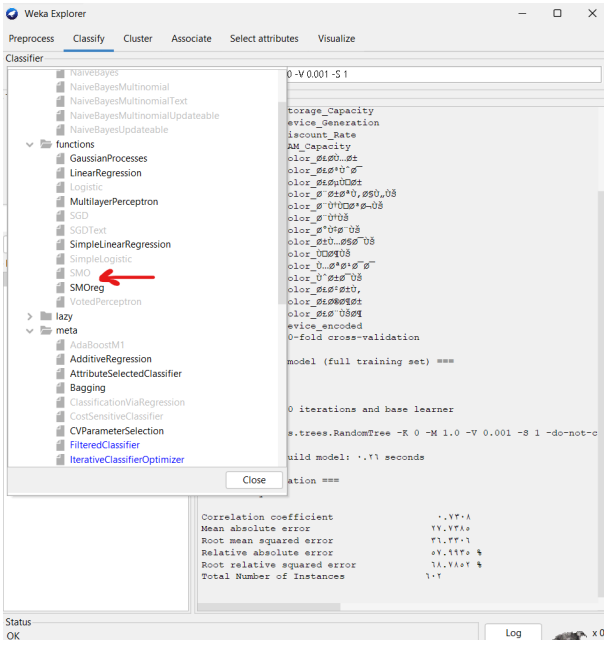

- Naive Bayes



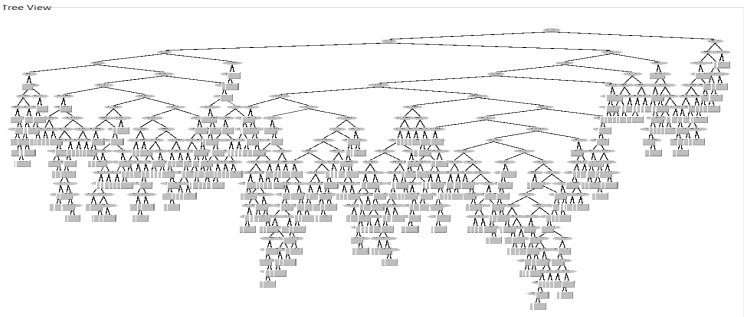

- Random Forest



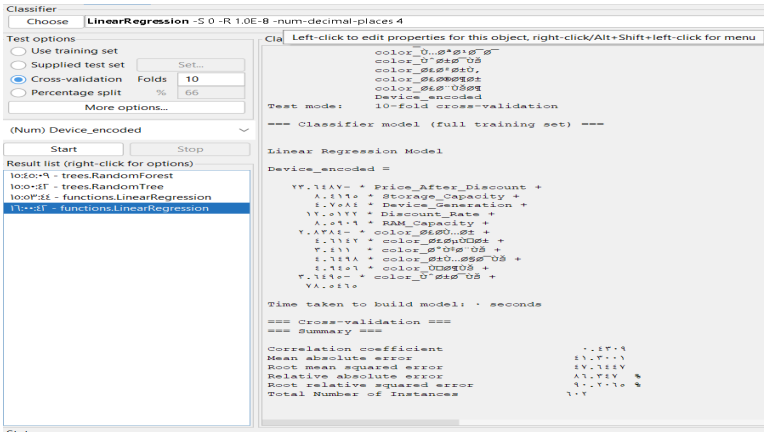

- SMO (SVM)



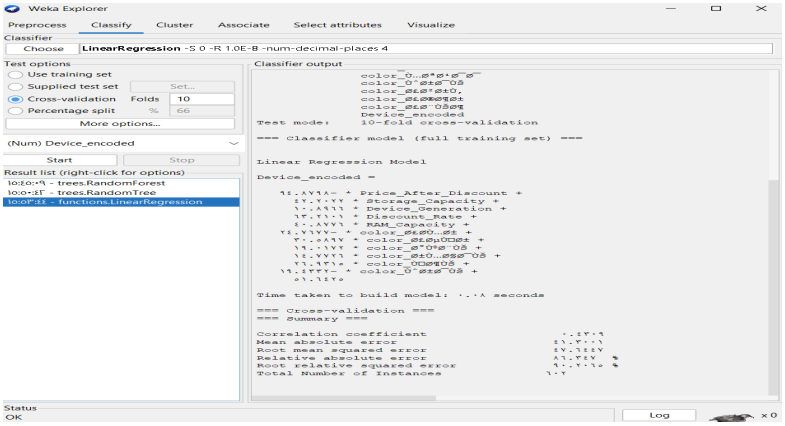

- Random Tree




- Linear Regression without CorrelationAttributeEval




- Linear Regression with CorrelationAttributeEval




9. Results Conclusion

- Which preprocessing method worked best?

  Random Forest is the best method that have the low absolute error

- Did WEKA or Python yield better model performance?

  If we look at the Linear Regression model in the weka and in python
  Which the a absolute error = 41.3 , mean square error=47.6 in weka
  But in python a absolute error = 825.62 , mean square error=9.96
  so weka is better than Python