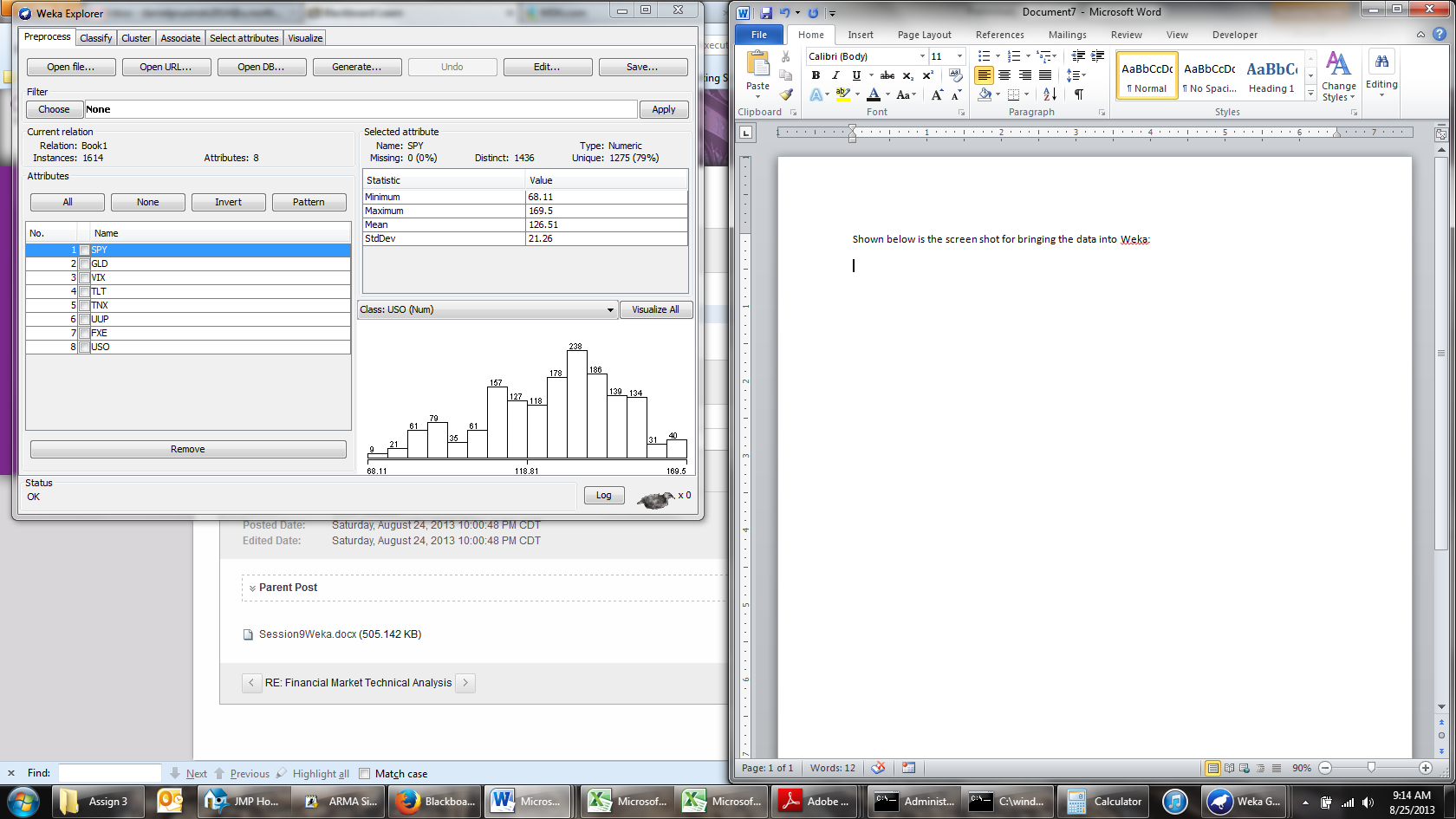
Shown below is the screen shot for bringing the data into Weka:



1. Which DM/ML Algorithm will be the best to deal with these rules?
2. Use Weka and capture/show your experimental results to support/prove your opinion/claims

I initially started with Linear Regression but the Root Mean Square Error is too high to justify using the model.

=== Cross-validation ===

=== Summary ===

Correlation coefficient 0.7259

Mean absolute error 10.6363

Root mean squared error 13.4109

Relative absolute error 73.2273 %

Root relative squared error 68.7102 %

Total Number of Instances 1614

The next model I used was IBK:

=== Cross-validation ===

=== Summary ===

Correlation coefficient 0.9975

Mean absolute error 0.8734

Root mean squared error 1.3654

Relative absolute error 6.0134 %

Root relative squared error 6.9957 %

Total Number of Instances 1614

This model has a far better Correlation Coefficient and the RMSE is within an acceptable range.

In my opinion, this would be the algorithm to use based on how well the data fits the model.