Reporte

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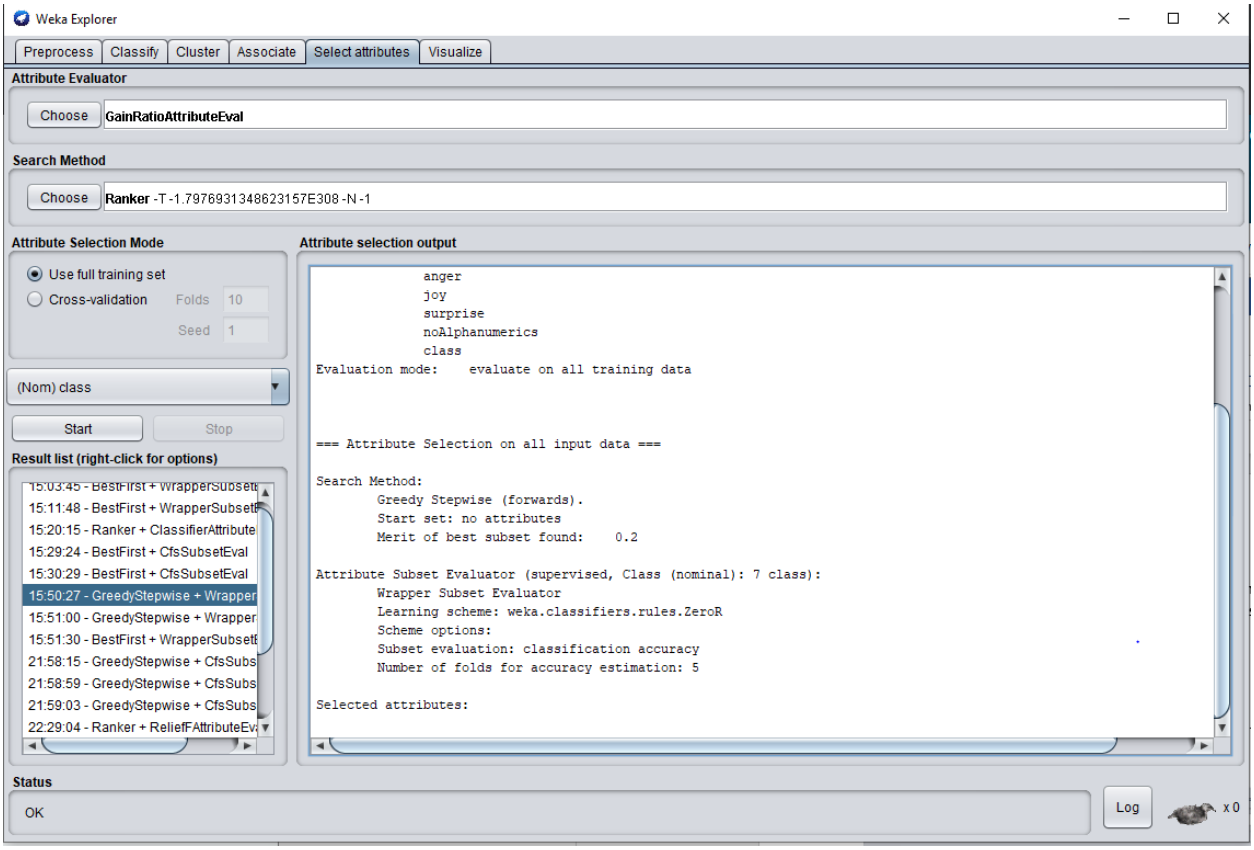
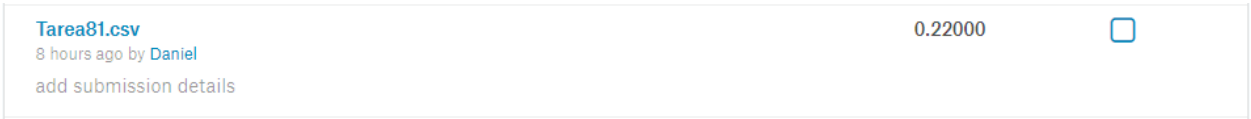
For these submissions were use different select attributes methods, but most of them gave the same set of data. Some selector just gave an empty set, this is the case of greedy stepwise with wrapper subset eval:

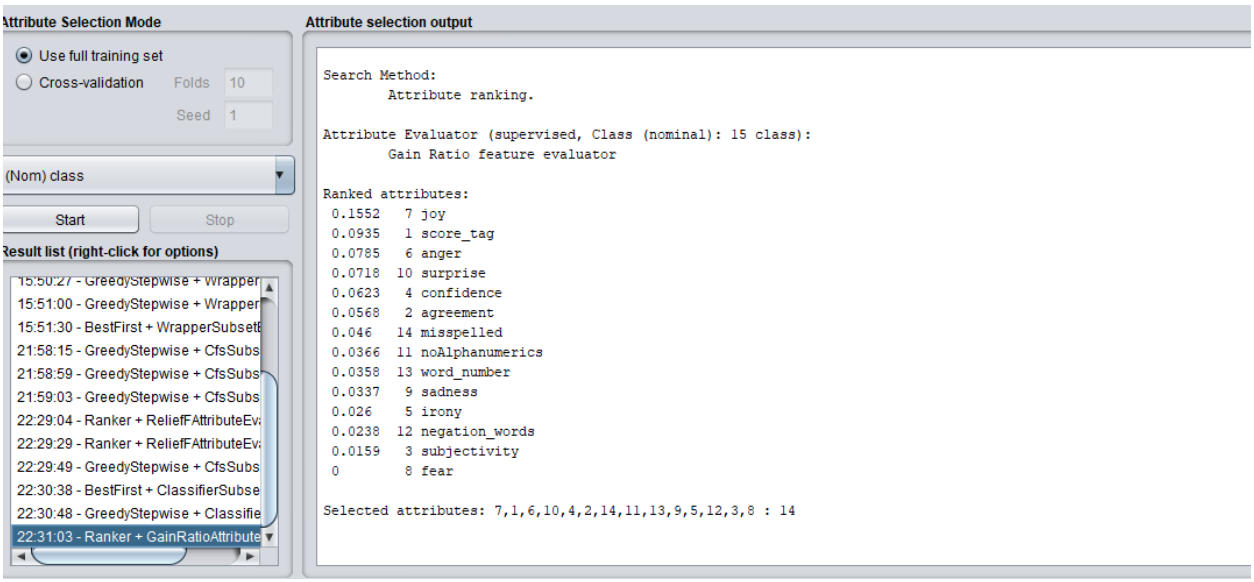


Because most of the models gave the same attributes sets, for the first two submission were used the same attributes, but different classifications models. For the first submission was used misc input mapped classifier. With this I got 22.0% of accuracy:



For the second one was used Decision Stump and I got an accuracy of 20.8%

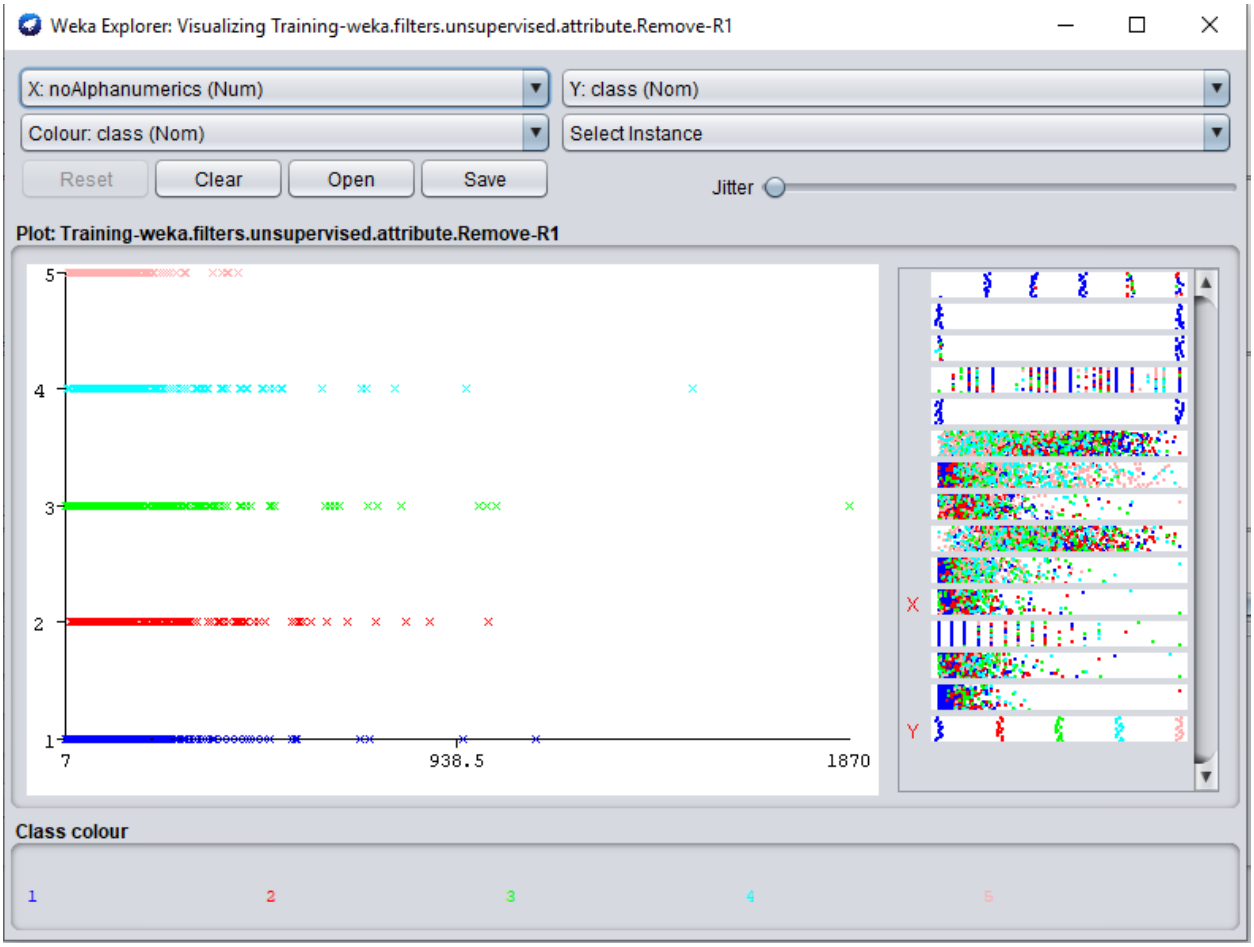
For the last attribute selection was use a Ranker with Gain Ratio Attribute.

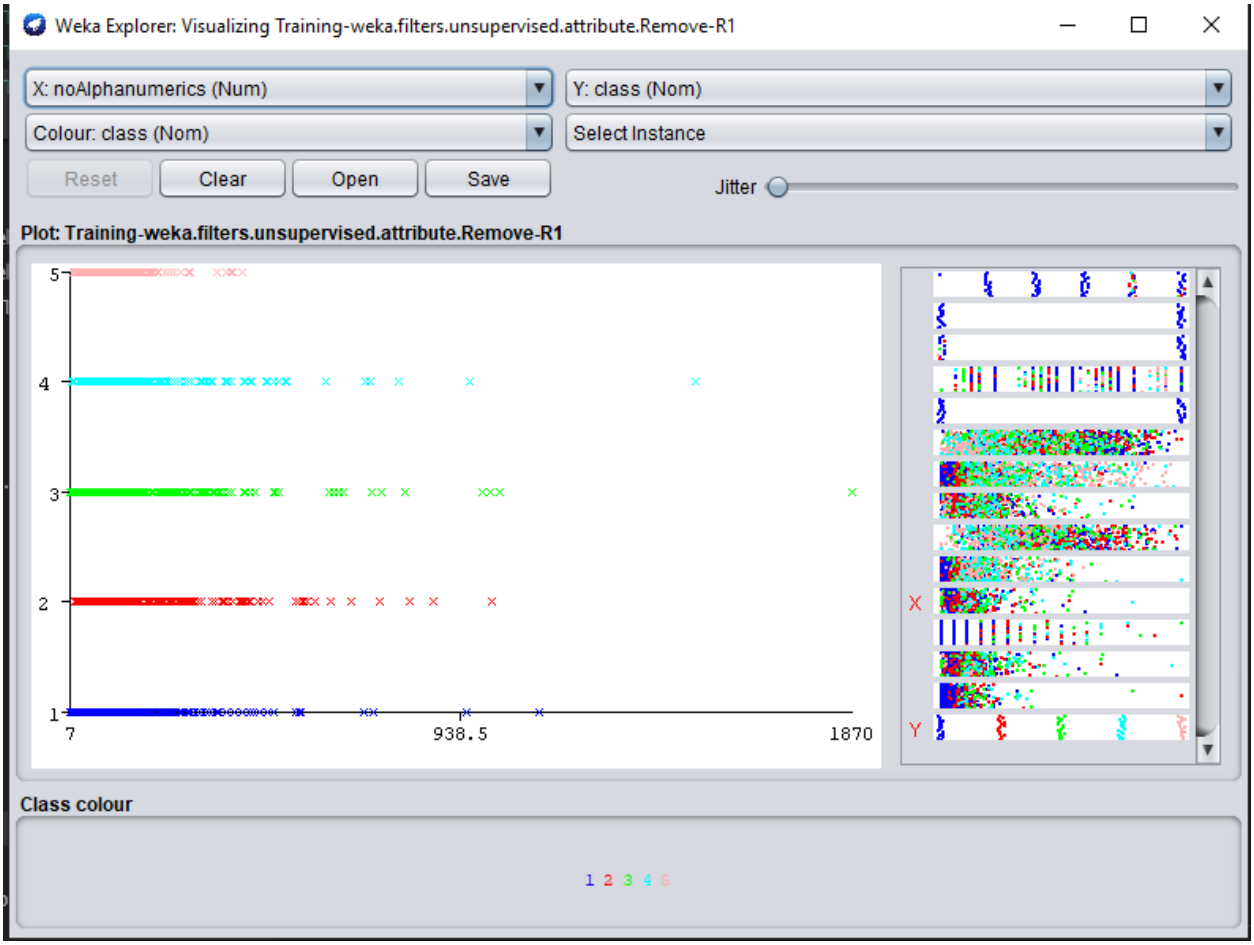


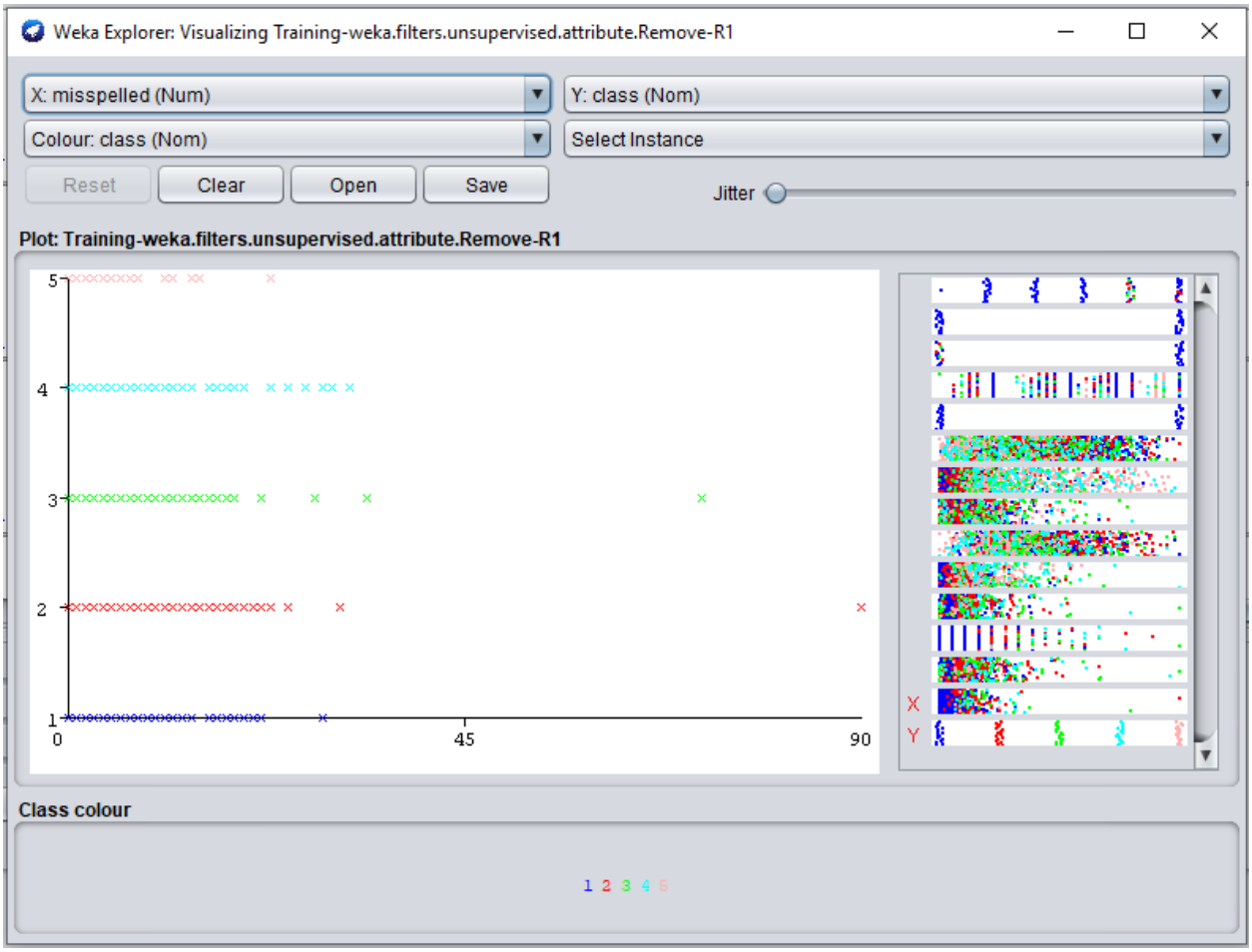
For this, I deleted the last 3 attribute on the list (fear, subjectivity and negation_words). For the classification process was used a Random tree. The result was a little bit better than the previous ones, But still wasn't able to beat the submissions without the last 3 new attributes.

Conclusion:

None of the new attribuites seems to improve any model, If we vizualise the data seems like there is no distinsion between classes, probably it is better choosing different attributes.


Weka Explorer: Visualizing Training-weka.filters.unsupervised.attribute.Remove-R1
X: noAlphanumerics (Num)
Y: class (Nom)
Colour: class (Nom)
Select Instance
Reset
Clear
Open
Save
Jitter
Plot: Training-weka.filters.unsupervised.attribute.Remove-R1
5
4
3
2
1
7
938.5
1870
X
Y
Class colour
1
2
3
4
5


Weka Explorer: Visualizing Training-weka.filters.unsupervised.attribute.Remove-R1
X: noAlphanumerics (Num)
Y: class (Nom)
Colour: class (Nom)
Select Instance
Reset
Clear
Open
Save
Jitter
Plot: Training-weka.filters.unsupervised.attribute.Remove-R1
5
4
3
2
1
7
938.5
1870
X
Y
Class colour
1 2 3 4 5


Weka Explorer: Visualizing Training-weka.filters.unsupervised.attribute.Remove-R1
X: misspelled (Num)
Y: class (Nom)
Colour: class (Nom)
Select Instance
Reset
Clear
Open
Save
Jitter
Plot: Training-weka.filters.unsupervised.attribute.Remove-R1
5
4
3
2
1
0
45
90
X
Y
Class colour
1 2 3 4 5