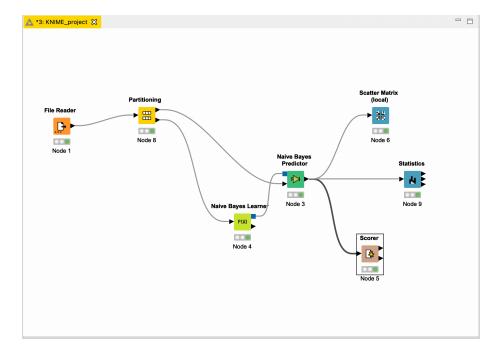
CISC 251 - Exercise Sheet 2

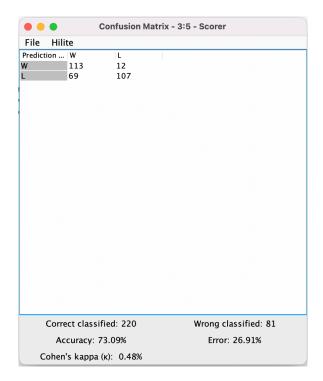
AMY BRONS - 20252295 SEPT 23 2022

Question 1:

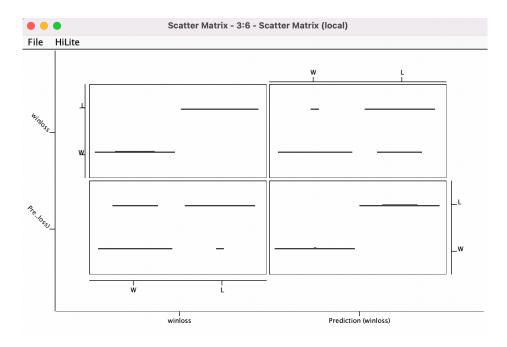
Using the uselection.csv file in KNIME, I was able to set up a workflow that utilizes the Naive Bayes classifier. Here is a breakdown of the starting workspace:



After that, conclusions can be drawn out of this model. For example I was able to extract a confusion matrix that analyzes the win/loss prediction per speech, and classification accuracy:



Also I was able to extract a scatter matrix of how the predicted won/loss compared to the actual win/loss:



Finally, I experimented with binning in KNIME. I made an interactive histogram with 'the' as the binning element. I compared this to the words 'america' and 'president'. Additionally, to make the data easier to read on our scale, I reduced the bin number to 5. Here is the result of that data

