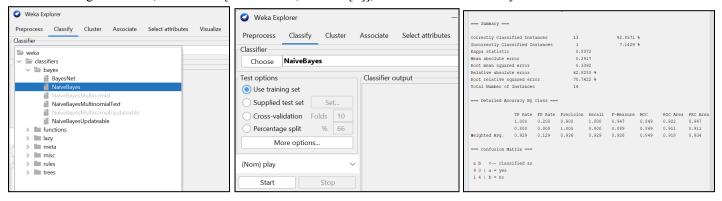


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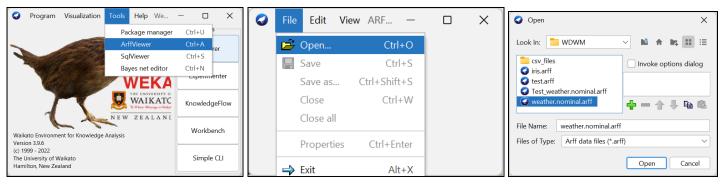


## Practical 09: Implementing Classification in Weka [Naïve Bayes]

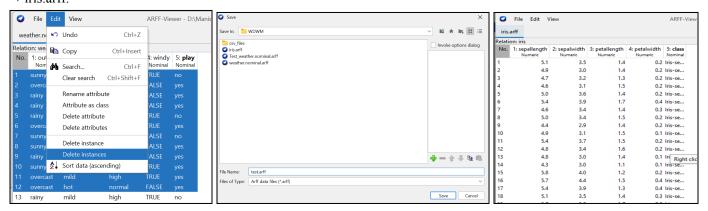
Step 01: Open Weka Explorer  $\rightarrow$  Preprocess  $\rightarrow$  load weather.nominal.arff  $\rightarrow$  move to Classify tab  $\rightarrow$  choose Naïve Bayes[it will be in bayes directory]  $\rightarrow$  set classifier options via More Options  $\rightarrow$  hit Use Training Set  $\rightarrow$  Start  $\rightarrow$  Now, you will see the results showing 13 correct, 1 incorrect [6th instance, marked [+]], with 92.8571% accuracy.



**Step 02:** Now will create a training dataset and for that, Open weka GUI  $\rightarrow$  Tool Tab  $\rightarrow$  Arrffviewer  $\rightarrow$  File  $\rightarrow$  open weather.nominal.arff file.



**Step 03:** Select all records, exclude one, delete the rest, and save as **test.arff.** After that Go to the Preprocess tab  $\rightarrow$  Open file  $\rightarrow$  iris.arff.





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Step 04: Move to Classify tab  $\rightarrow$  choose Naïve Bayes  $\rightarrow$  hit Start to build the classifier, then Select Supplied test set  $\rightarrow$  hit Start again to classify the test instances. The classifier predicts an unknown instance as Play: Yes

