Name: Ridho Achmad F NIM: L200174005

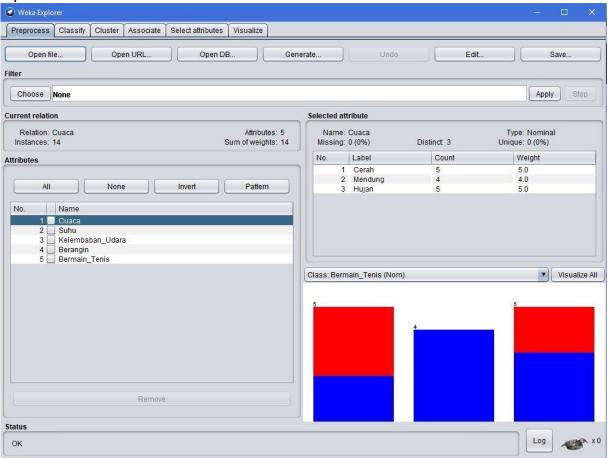
Class: X

Practicum Report Module 8

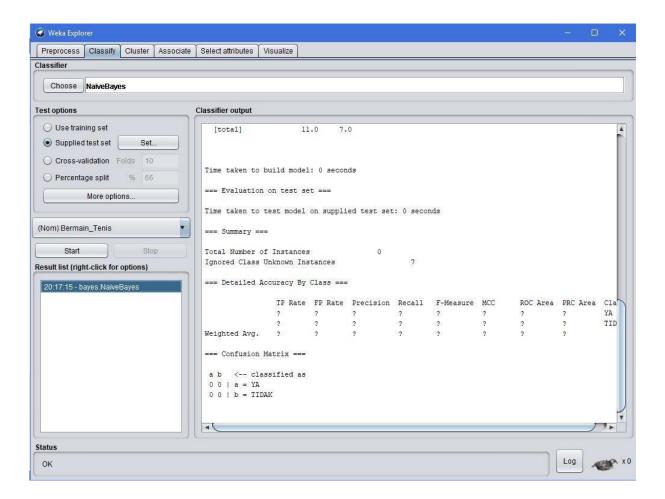
Practicum

1. Implementation of Naive Bayes with Weka

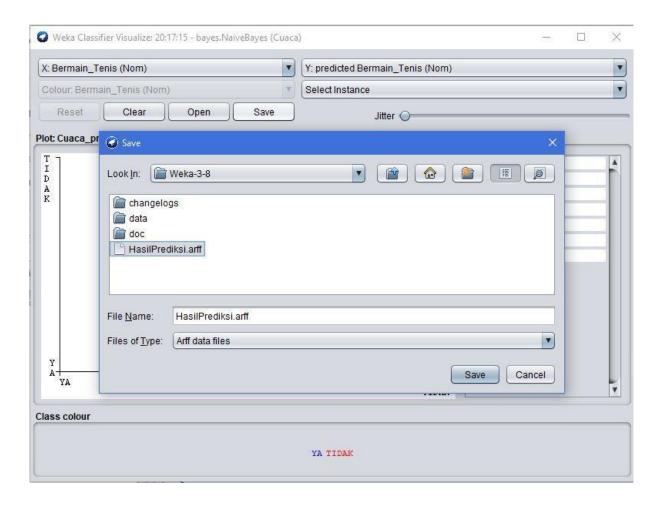
a. Open the file Cuaca.arff with Weka



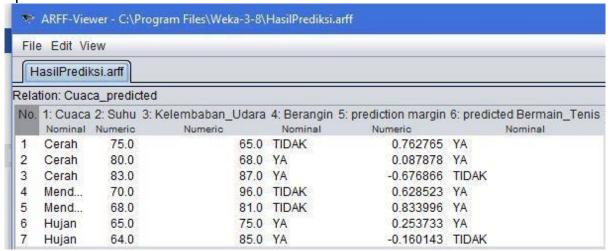
b. Choose the Naive Bayes method and open the CuacaTesting.arff file.



c. After that save the data with the name HasilPrediksi.arff.

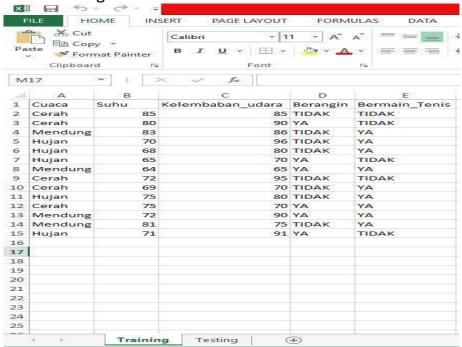


d. Back in the Weka GUI Chooser select the Tools menu - ArffViewer and open the HasilPrediksi.arff file.

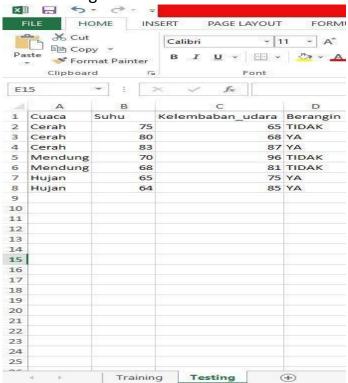


- 2. Implementation of Naive Bayes with RapidMiner
 - a. Prepare the file Table_Cuaca.xls which contains 2 sheets, namely for data training and data testing.

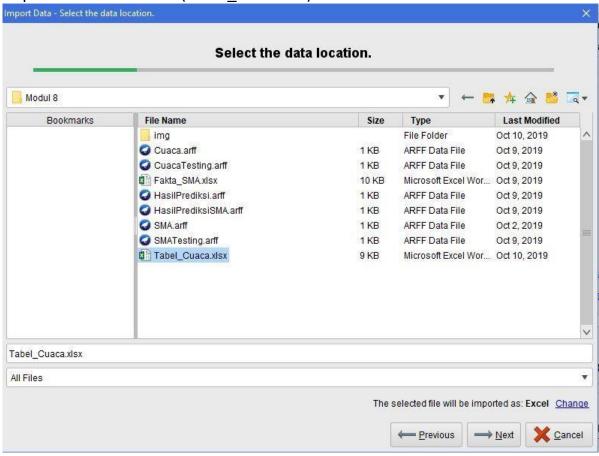
Data Training:



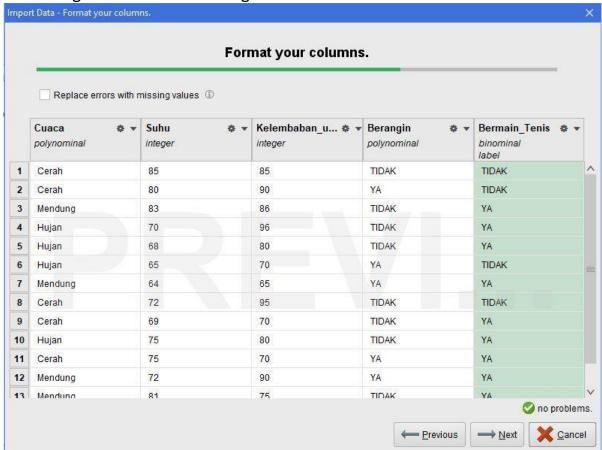
Data Testing:



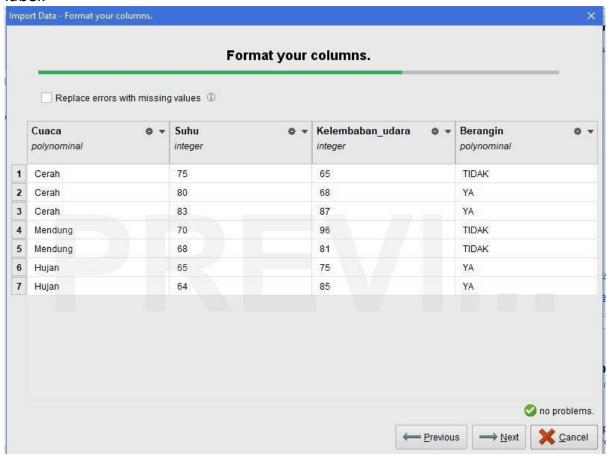
b. Import data to be used (Table_Cuaca.xls).



c. In the training data, change the Bermain_Tenis column to binomial type and change it as a label in Change Role.

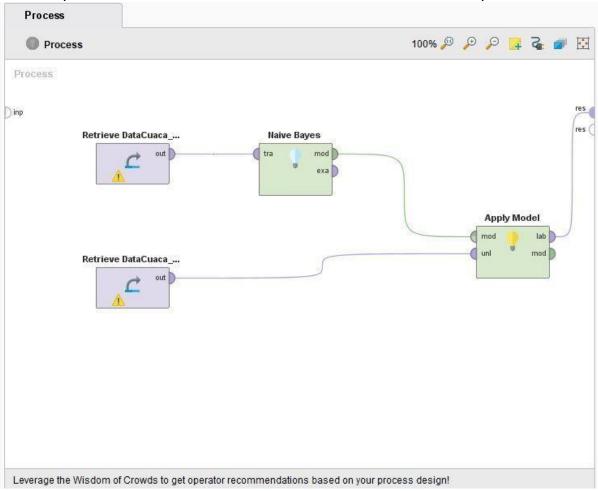


d. Save the data with the name DataCuaca_Training after that, do the same with the data testing but do not make changes to the type and label.



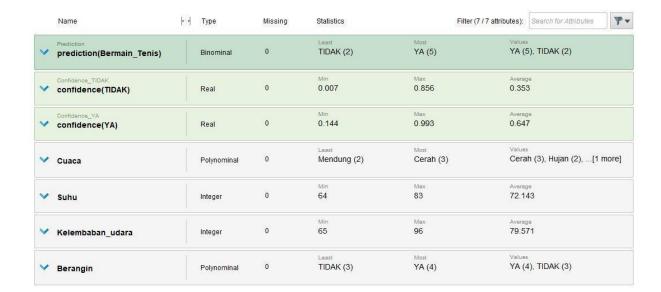
e. After that, save it with the file name DataCuaca_Testing.

f. Next create a Naive Bayes design using Naive Bayes and Apply Models into the process view and connect each data connector to the operator.



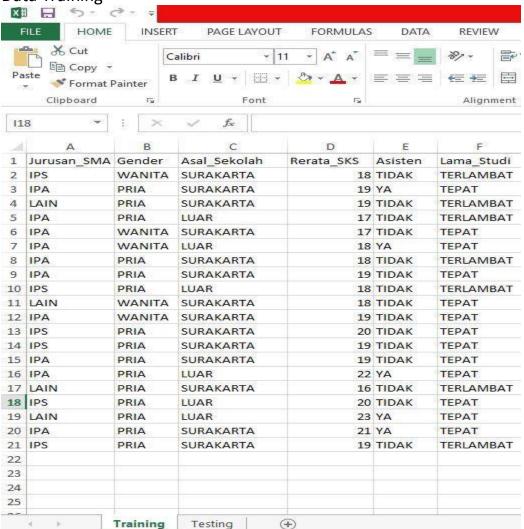
g. Run the naive bayes process and we can see the results of the data and statistics.

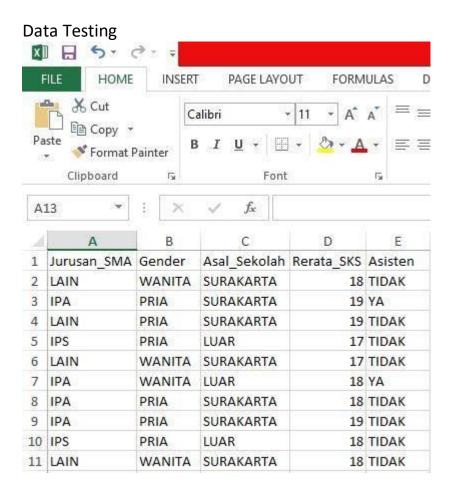




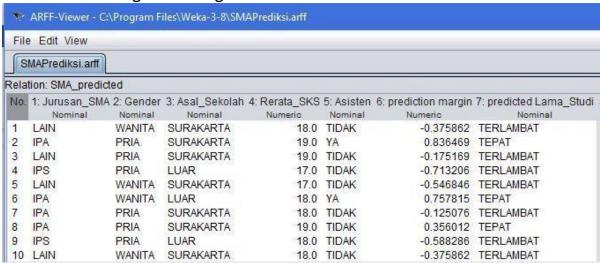
Assignment

1. Data Training

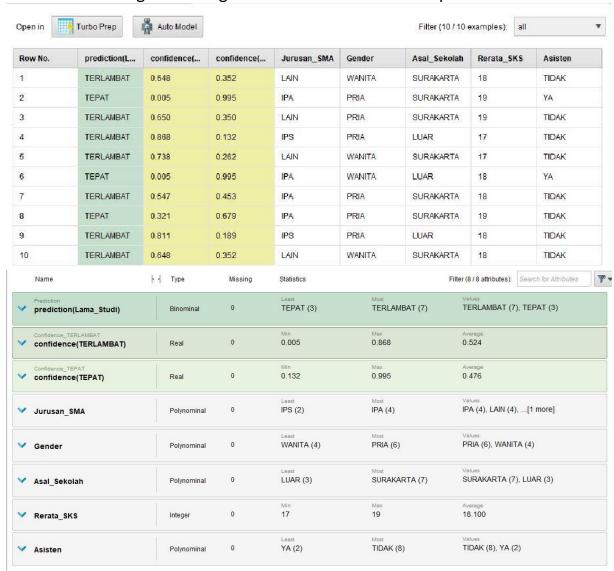




2. Predict the testing data using the Arff file above with Weka



3. Predict the testing data using the Excel file above with Rapidminer.



4. The average confidence value for lama_studi with the TEPAT value is 0,476

| Confidence_TEPAT confidence(TEPAT) | Real | 0 | 0.132 | 0.995 | Average 0.476 |
|---|---------|----------|--------------|--------------|--------------------|
| Average confidence | e value | for lama | _studi w | th TERLAM | BAT value is 0,524 |
| Confidence_TERLAMBAT Confidence(TERLAMBAT) | Real | 0 | Min 0 005 | Max 0.868 | Average 0.524 |

5. The people who will graduate TEPAT are 3 while those who will graduate TERLAMBAT are 7.

| Prediction prediction(Lama_Studi) | Binominal | 0 | TEPAT (3) | Most TERLAMBAT (7) | Values TERLAMBAT (7), TEPAT (3) |
|------------------------------------|-----------|---|-----------|-----------------------|------------------------------------|
|------------------------------------|-----------|---|-----------|-----------------------|------------------------------------|

6. Data prediction of the Dewi and Jono.

| 11 | TEPAT | 0.298 | 0.702 | IPA | WANITA | LUAR | 18 | TIDAK | |
|----|-------|-------|-------|------|--------|-----------|----|-------|--|
| 12 | TEPAT | 0.076 | 0.924 | LAIN | PRIA | SURAKARTA | 17 | YA | |