CHAPTER 3
RESEARCH METHODOLOGY

Collect Data

The data taken from UD Buana Mas's transaction note (Paper Based) then converted into csv (Ms.Excel) , So it can be imported into Database using DBMS MySQL system. This project using UD Buana Mas's transaction data from 2016 January to 2017 October.

Step to make this Program using 3 Classifications

- Convert data into csv (Ms.Excel) and import to MySQL Table.
- After doing some interview with UD Buana Mas's owner , the result is that data classifications can be divide into 2 , they're "salable" and "Not salable". Based on the history of decision making of UD Buana Mas bearing stock , if total > 100 then the result is "Salable" , if total<=100 then result is "Not Salable".
- Do calculations of each parameters.
- Do Bayes calculations from the result of each parameters.
- The result of decision making is the highest score of Bayes calculations.

Step to make this Program using 2 Classifications

- Convert data into csv (Ms.Excel) and import to MySQL Table.
- After doing second interview with UD Buana Mas's owner , the result is that data classifications can be divide into 3 , they're "Very Salable" , "Salable" and "Not salable". Based on the history of decision making of UD Buana Mas bearing stock , if total>150 then the result is "Very

Salable” , if total > 100 && total <=150 then the result is “Salable” , if total<=100 then result is “Not Salable”.

- Do calculations of each parameters.

- Do Bayes calculations from the result of each parameters.

- The result of decision making is the highest score of Bayes calculations.

Accuracy Analysis using 2 Classifications

- Remove testing data from training data.

- If Bayes result of training data have the same result with testing data then the result is correct .

- Accuracy formula , Result = (correct/(correct+wrong))*100%

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