**Machine Learning 1st TASK: Naïve Bayes**

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**Definition**

Naïve Bayes is one of many machine learning algorithms that makes model based on occurrence that will then form them as set if probabilities. This method is usually more used in classifying texts.

**Hyperparameter**

Since the task is a simple naïve bayes without any optimization or any kind of smoothing, there is no hyperparameter that is needed to be tuned on this model.

**Model**

The model is only formed by counting every occurrence likelihood prior to event that one of “<=50” or “>50” happens then apply it to the “Naïve” bayes formula. Since it’s naïve, it’s not necessary for the likelihood to be divided because it’s “Naïve”, but given this, the model is not a probability anymore, it’s rather a likelihood.

**Result**

The result is saved in “TebakanTugas1ML.csv” file. The accuracy is 83% based on K-fold with K=4 which is also provided in the code file.

