Quiz

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1. **Programming**

def cpt(n):

num = 1

for i in range(n):

num = num \* (i+1)

with open('result.txt','a') as ff:

ff.write(str(num)+'\n')

1. **Data Mining Technique**

* Algorithm name: Naïve Bayes
* Naïve Bayes can help classify sample into several groups according to attributes.
* Based on machine learning, Naïve Bayes classifier is popular in sentiment analysis.

For example, when analyzing social mood towards specific events from tweets data, there are three main steps:

1. Label every tweet manually, 1 for positive mood, 0 for negative mood. According to frequency, get key features into vocabulary vector.
2. Calculate priori probabilities and conditional probabilities.
3. Calculate probabilities of tweets categorized into positive or negative and choose the larger one, of which the group is desirable one. Then calculate error rate to evaluate.

\*This quiz is finished all by myself: Codes are revised after debugging; Naïve Bayes were used in my last python program but some glossaries are looked up in dictionary☺