

## **Lab 1: Sentiment Classification with Naïve Bayesian Classifier (version 1)**

### **Aim:**

- Understanding Naïve Bayesian Classification technique
- Get familiar with data analysis process
- Learning to employ Python to do data analysis

### **Materials:**

We provide you with two datasets we got from a social media site:

*1) training dataset*

*2) test dataset*

### **Requirements:**

1. Using Python to create your own Naïve Bayesian classifier and train the network to classify data into two sentiment classes: "positive" and "negative".
2. Evaluate your classifier with the test dataset
3. Applying your classifier to 200 comments collected from Booking.com and analyze the sentiment of these comments.
4. Write one-page lab report containing a) title b) names and team 3) systematic diagram of your sentiment analysis process, including training and testing; c) feature extraction; d) evaluation; e) results.