Report

1. Because if we take logarithm, then it will transform into a series of additions, making it easier to calculate.
2. Naïve Bayesian is for categorical data, while Gaussian Naïve Bayesian is for continuous numeric data. Gaussian Naïve Bayesian uses the Gaussian probability density function to estimate the likelihood of observing a specific value, which is more complex.
3. While using the colab, it will disconnect for a few times. And I think tracing code is the time-consuming part in the homework.
4. I chose to use vscode rather then colab, so it won’t disconnect again. At beginning, I couldn’t understand the template, but after reading the template and tracing code and draw some pictures at the same time, I finally understand the meaning. Also, I have learned some new python usage after doing this homework.