1. Other than your fellow group members, with whom did you discuss the homework? What was the content of the discussion?

In this homeworks we did not prefer to discuss with anyone. We only did online searches and used the recommended files for the homeworks.

2. Which sources did you use? What was the information/topic that you didn't know/understand and wanted to clarify with this source? Answer this question for all sources that you have used.

We used Mila course notes, the links provided in the homeworks, Bayes' Theorem, Gaussian Naive Bayes and Naive Bayes Classifiers sites to analyze and have a deeper understanding about the problem. We also watched Gaussian Naive Bayes and Naive Bayes Classifier in Python (from scratch!) videos to visualize the topic and the problem. Additionally, Parameter Estimation for a Gaussian Distribution and Classification using Gaussian Naive Bayes from scratch sites helped us to crosscheck the idea behind our codes.

3. How long did it take for you to complete this homework?

In total, It took us 10 hours to complete both of the homeworks. It took us 5 hours to give the final form of the homework 3 (HW3). It includes 1 hour of understanding and discussing the problem and deciding what kind of viewpoint we will have, 2 hours of coding and 2 hours of debugging. We spent our next 3 hours coding and implementing our previous code into homework 4 (HW4). Finally we spent 2 hours on the report papers.

4. Which part(s) did you find most complicated?

In HW3, we found the predict function most troublesome since it calls other functions and is the resulting point of our code. Other than that, with the help of clear instructions, we did not struggle in the remaining parts. In HW4, we wanted to take the low pairwise correlations so accounting on it, this section was relatively harder than the rest of the code.