1. What bugs and conceptual difficulties did you encounter? How did you overcome them? What did you learn?

I had issues with reading the file because I tried to do a try, catch, IOException type of BufferedReader scanner but it wasn’t working so then I figured out how to do the input stream method. I also had conceptual difficulties with how to store certain values and where to update them/which values to multiply together. It took a lot of prework to organize the different probabilities and distributions. I also had issues using BigDecimal and getting the output to look correct.

1. Describe whatever help (if any) that you received. Don’t include readings, lectures, and exercises, but do include any help from other sources, such as websites or people (including classmates and friends) and attribute them by name.

I looked online for how to read a file using the input stream method and I also got help from online sources about the math involved in the probabilities because I was getting confused about what to multiply and how to normalize the values.

1. Describe any serious problems you encountered while writing the program.

The most serious problems were conceptual, organization problems because once I got the hang of the math and how I needed to initialize the maps, I was able to use that skeleton for the different classes. The helper functions like the MD and get distrib/ get prob were the easiest functions to write. The hardest was the main function actually because I don’t usually write as many functions and coding in the main class but for this one I did because it was helpful to keep a lot of the code in one place since I already had a bunch of different classes. It took me a while to understand how to parse the file as well as update the probabilities and initialize the maps all in the main class.

1. Mention any challenges that you did.

N/A

1. List any other feedback you have. Feel free to provide any feedback on how much you learned from doing the assignment, and whether you enjoyed doing it.

N/A