**We will briefly address the 4 questions posted on piazza in this document. Note that this is not our project report, for a detailed report of our work, please see the Project Report file.**

**An overview of the function of the code (i.e., what it does and what it can be used for)**

The python scripts in the datasets folders are used to obtain the two datasets. Using our own work in MP2, we were able to retrieve text data from news articles reporting COVID-19 and SARS.

The python scripts in the models and analysis folder are used to generate and run the models. Our inputs are the datasets we obtained. Our outputs are clusters of words and their probabilities. They are presented both in the Project Report file and the models and analysis folder.

**Documentation of how the software is implemented with sufficient detail so that others can have a basic understanding of your code for future extension or any further improvement.**

Please watch the demo provided in the video presentation. The use of our code is straight forward.

**Documentation of the usage of the software including either documentation of usages of APIs or detailed instructions on how to install and run a software, whichever is applicable.**

Please watch the demo provided in the video presentation. The use of our code is straight forward.

**Brief description of the contribution of each team member in case of a multi-person team.**

Each team member contributed equally to the program. We had multiple group meetings to assign tasks and made sure that everyone was on the same page.

Dongni Yang: Studied the paper, obtained the COVID-19 dataset, obtained the SARS dataset, generated and improved the models, ran the model. The main contributor to the demo of our source code.

Zhaoyuan Yang: Studied the paper, helped to generate the models, analyzed the results, and provided conclusion. The main contributor to the Project Report.

Yi Zhou: Studied the paper, explained the EM algorithm used to improve the CCMix model, helped the running of the model, administrative tasks (CMT, Github, presentations, etc.)