**Instructions to run PART 1** :

1. Load the file named ‘DMPart1.ipynb’ in the code folder to google colab.
2. On the side bar, click on and upload all the three data files named pca\_a.txt, pca\_b.txt, pca\_c.txt
3. Mention or change the path of the data file or the paths of data files in the list named as “filenames”.
4. The file path is to be changed in all the three cells individually.
5. Run all the three code cells one by one from top to bottom of the notebook file.