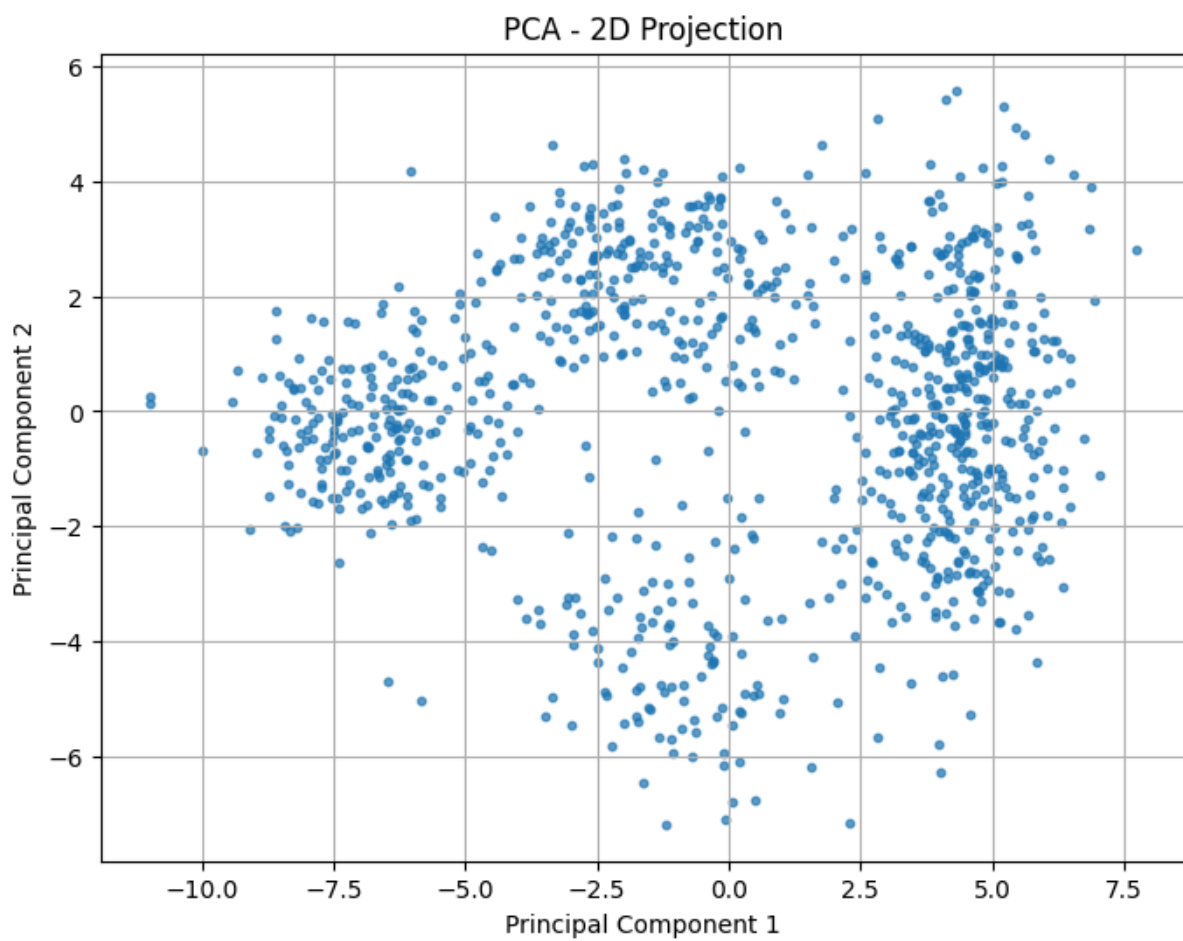


Assignment 4

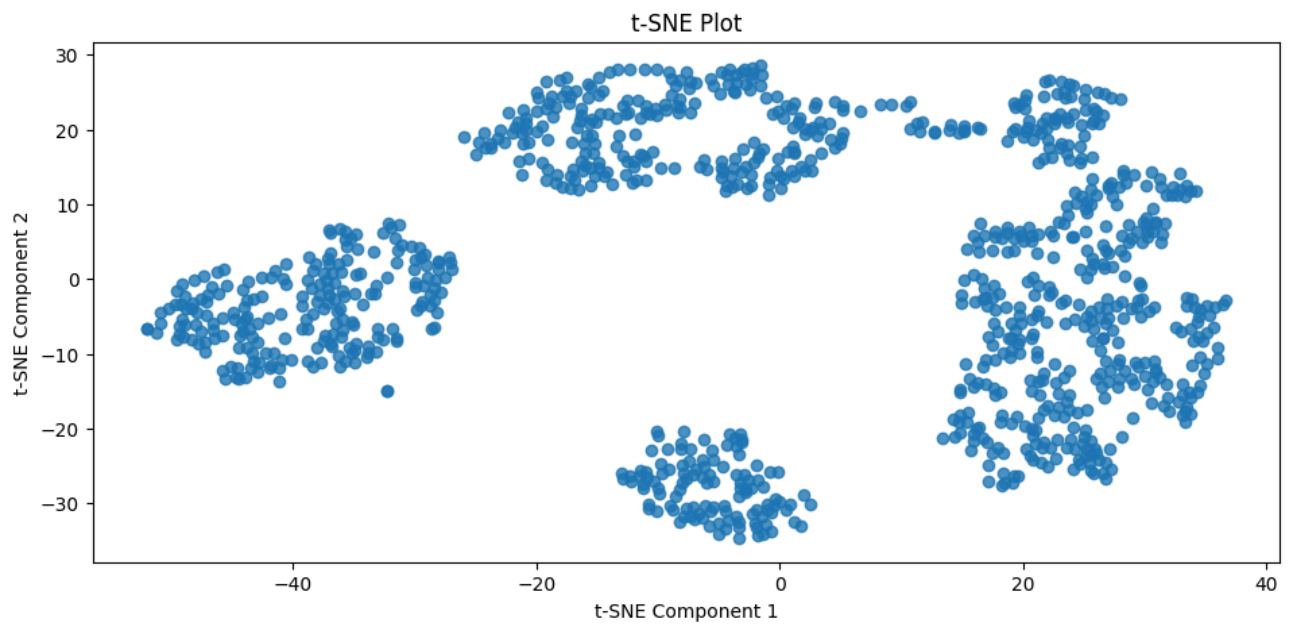
How To Run :

1. Take the em_data.txt and pca_data.txt files in the same folder of 1905105.ipynb.
2. Then Run All the cells of 1905105.ipynb.

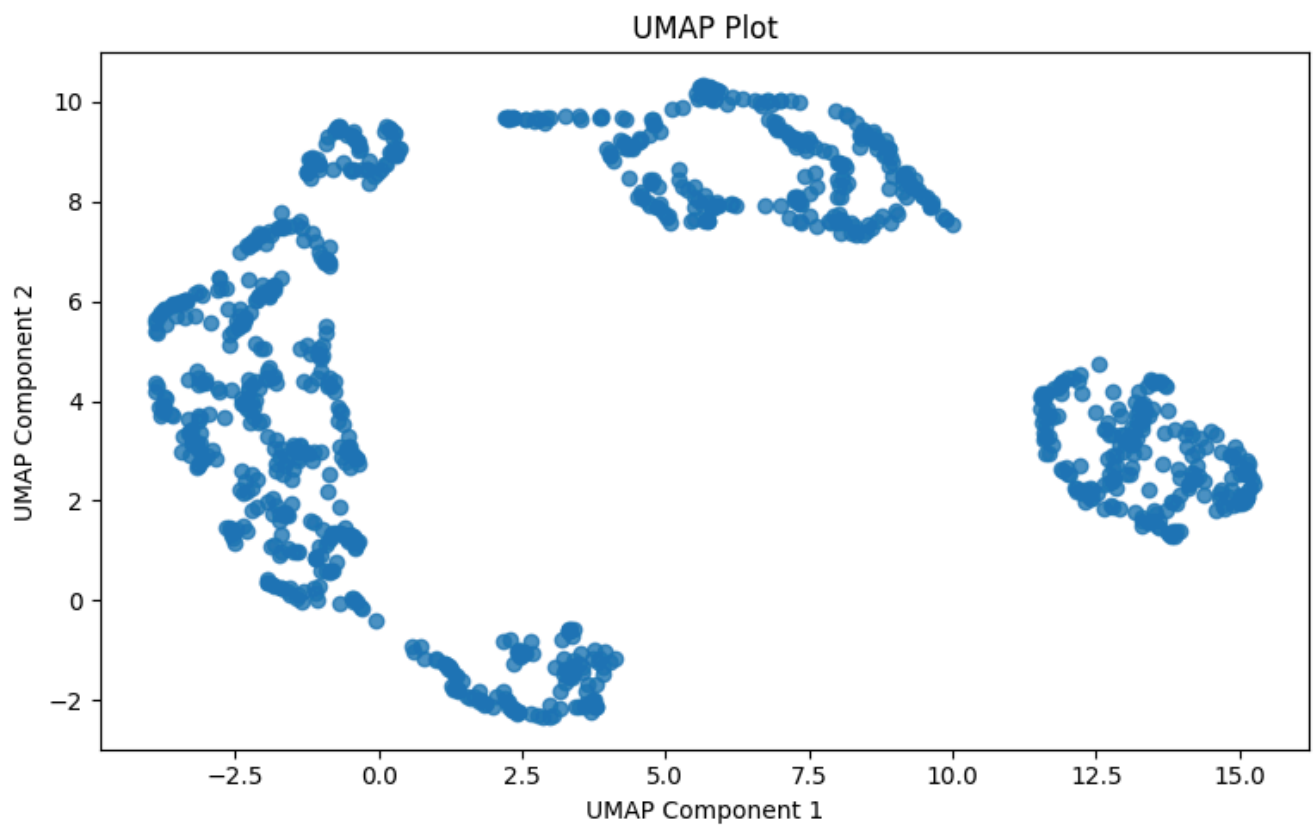
PCA plot:



t-SNE plot:



UMAP plot:



Estimated Mean (With Family Planning): 1.782357604977479

Estimated Mean (Without Family Planning): 4.910676308244854

Proportion (With Family Planning): 0.3559983537104689

Proportion (Without Family Planning): 0.644001646289531