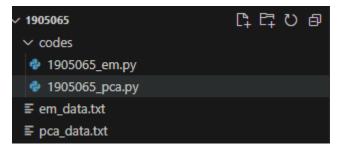
CSE472: Machine Learning

ID: 1905065

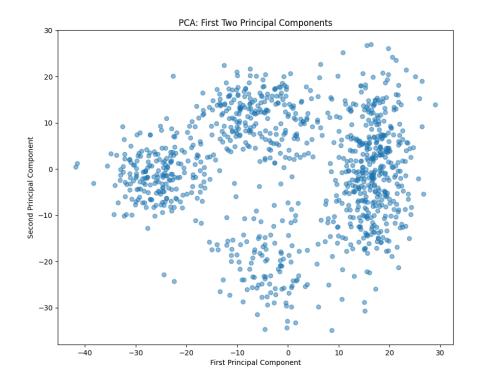
Instruction to run the code:

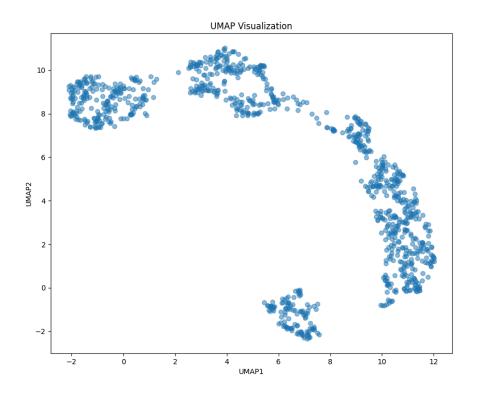
Need to put the data files in the parent directory of "codes" directory. The directory tree should look like this:

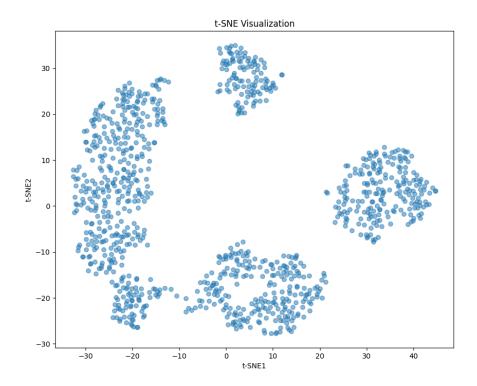


Then, run the command "python codes\1905065_pca.py" or "python codes\1905065_em.py".

PCA plots:







EM Results(After 191 epoch, max_itr=1000, tolerance= 1e-6):

Mean number of children in families with family planning: 1.7824

Mean number of children in families without family planning: 4.9107

Proportion of families with family planning: 0.3560 Proportion of families without family planning: 0.6440