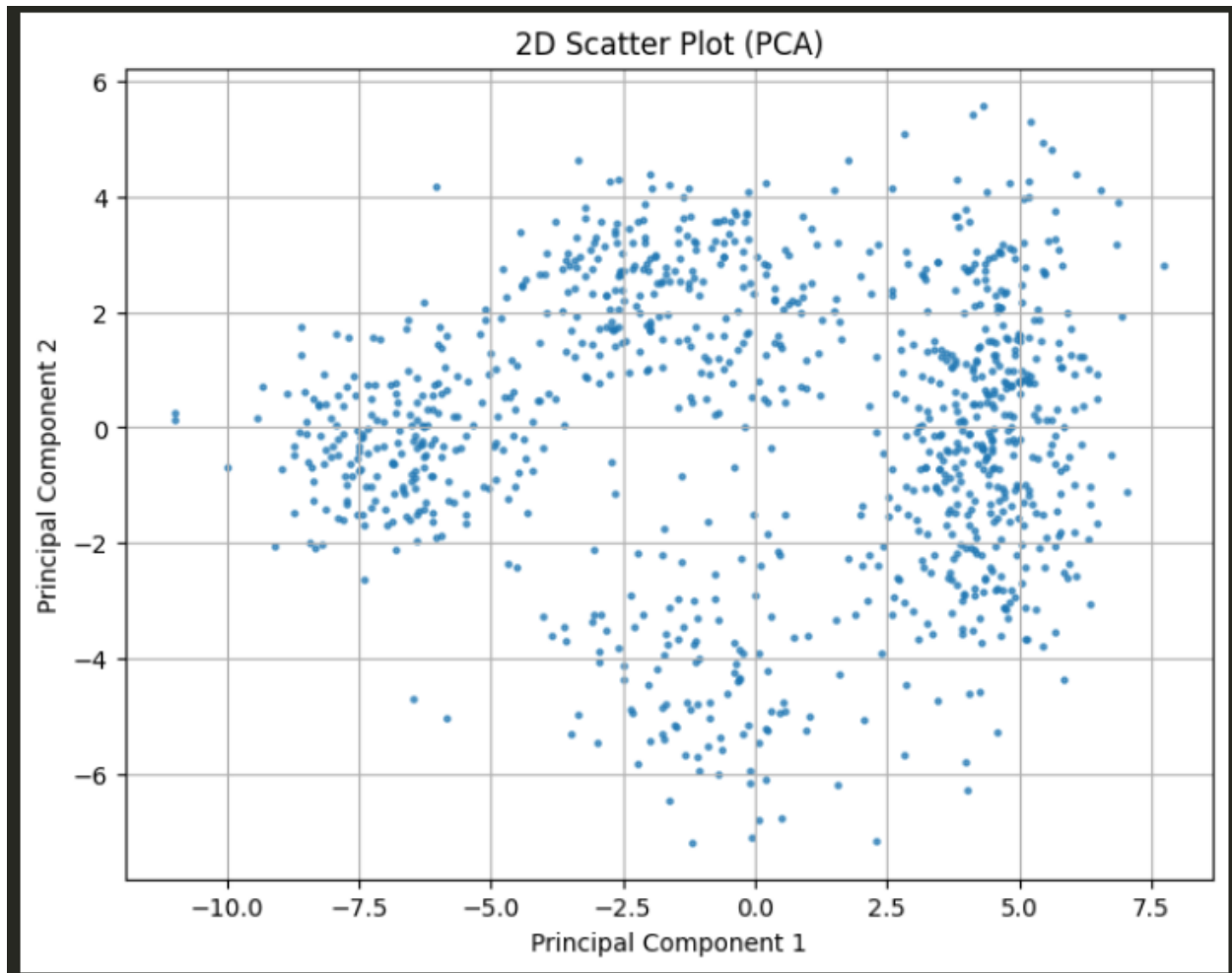
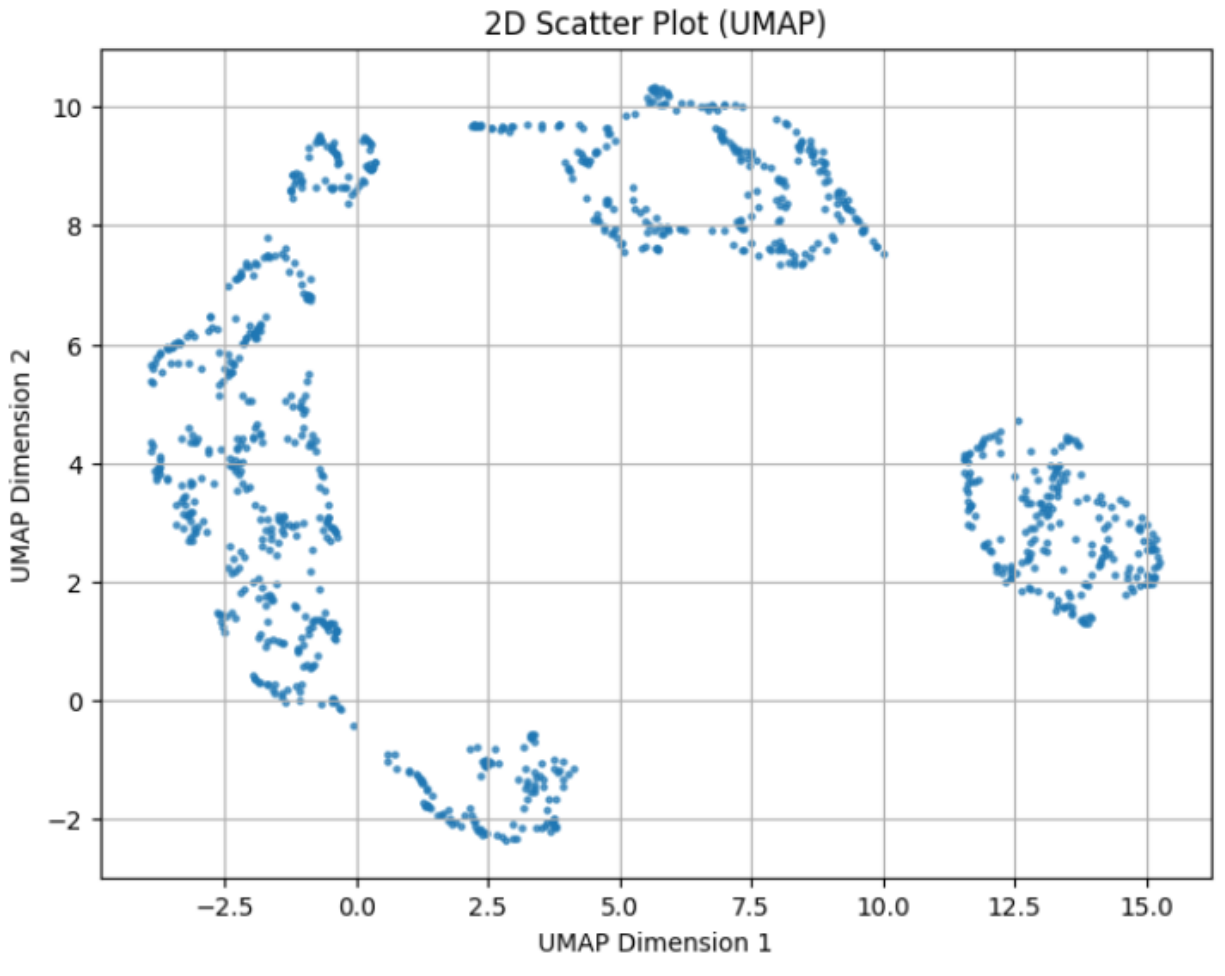
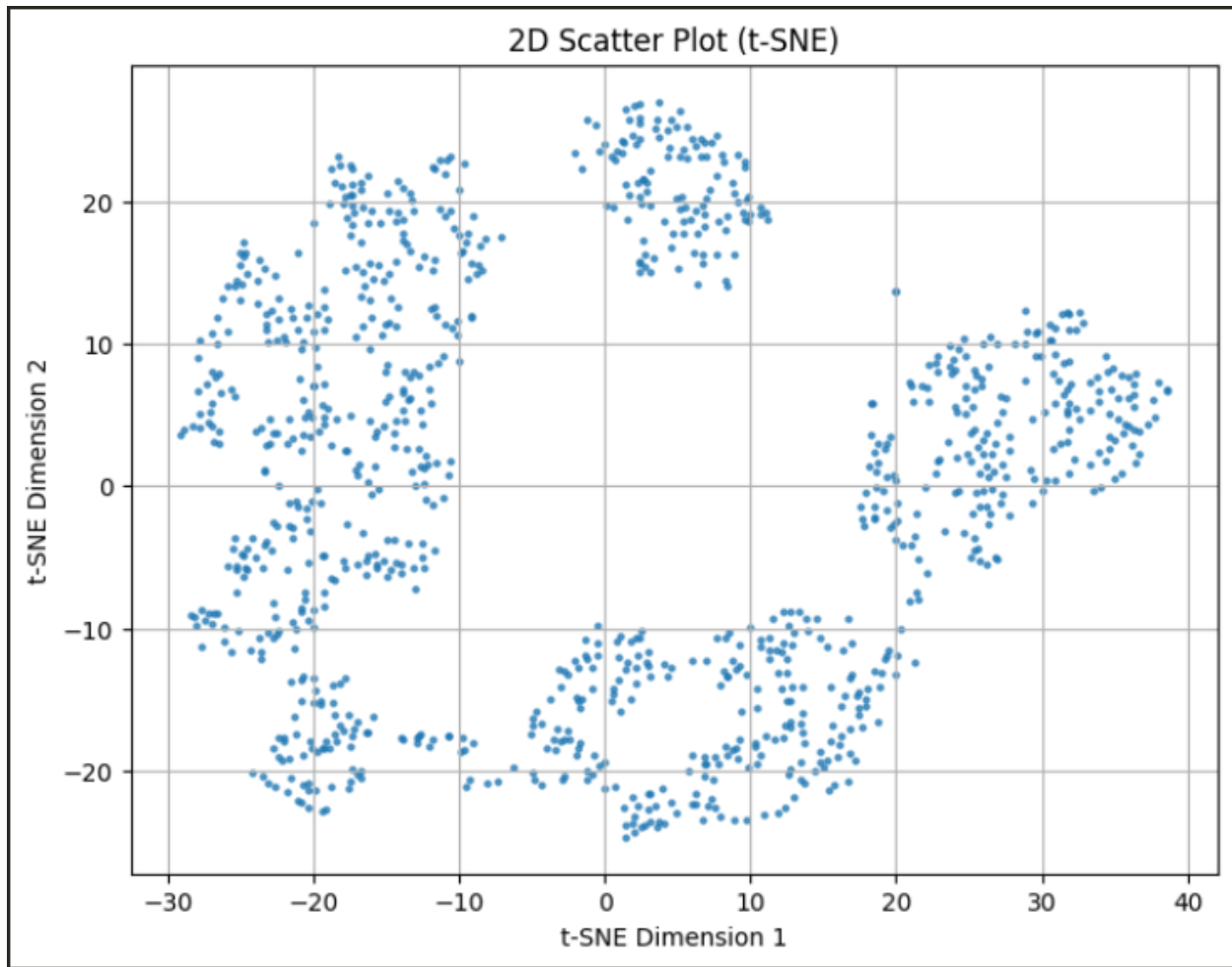


Assignment 4: Principal component analysis (PCA) and expectation-maximization (EM) algorithm







Expectation Maximization:

EM Algorithm Results:

Mean (with family planning): 1.7824

Mean (without family planning): 4.9107

Proportion (with family planning): 0.3560

Proportion (without family planning): 0.6440