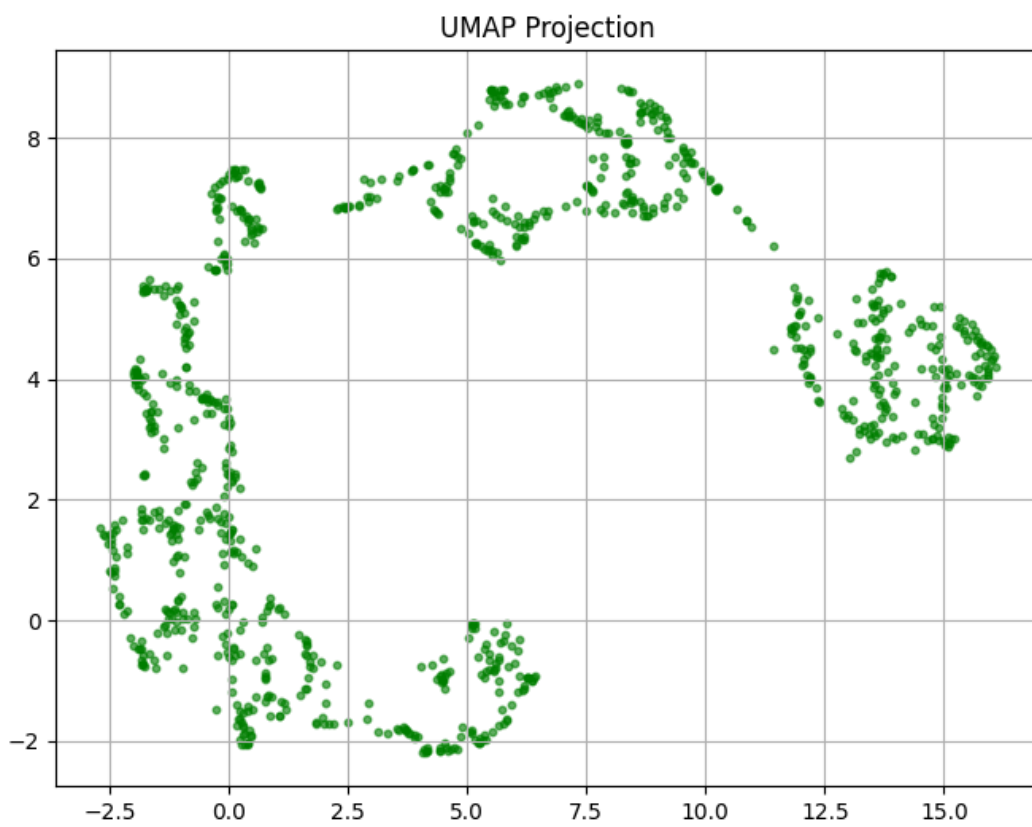
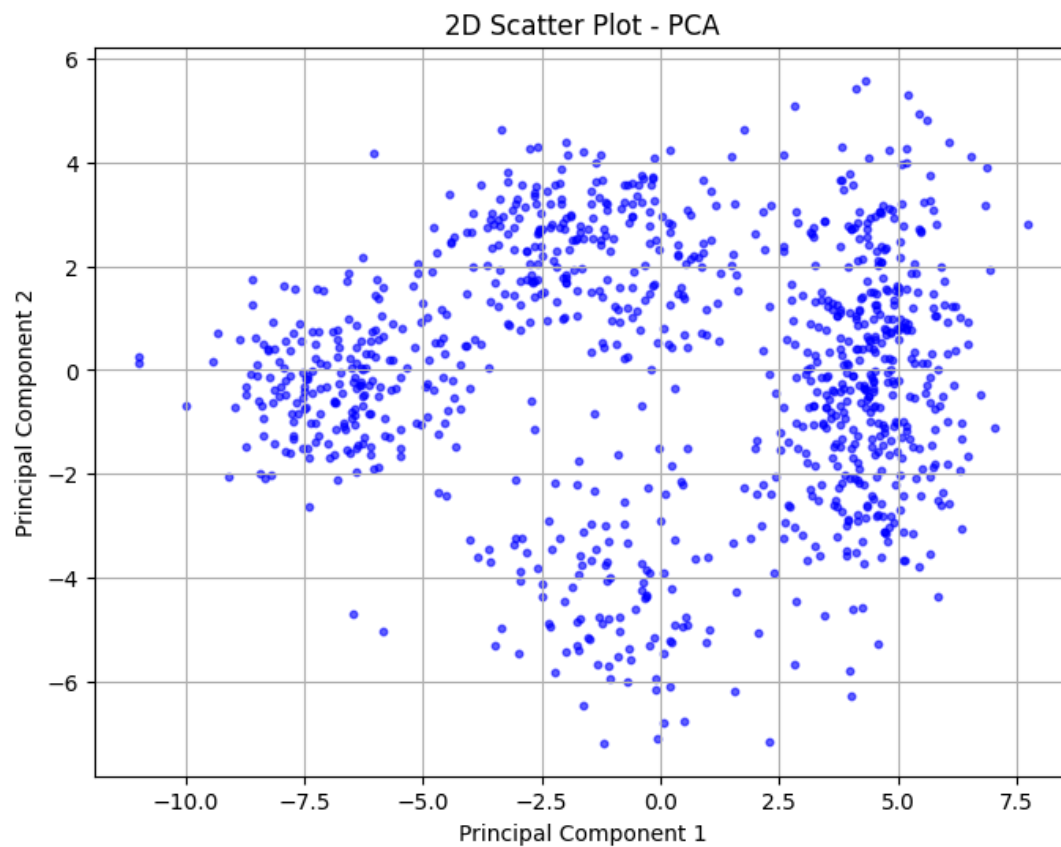
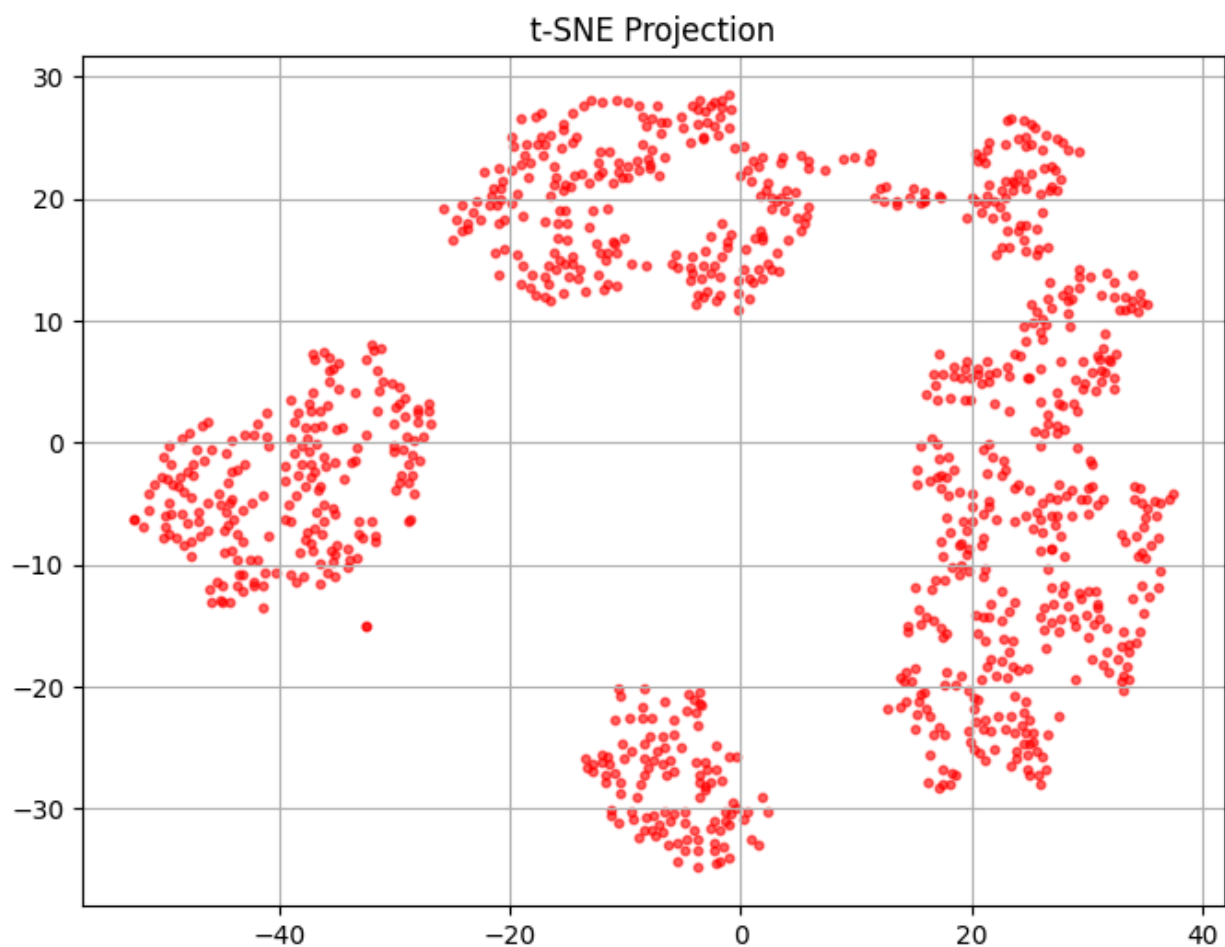


HOW TO RUN:

CREATE CONDA ENVIRONMENT AND INSTALL THESE:

```
requirements.txt
1  pandas
2  numpy
3  matplotlib
4  scikit-learn
5  ucimlrepo
6  seaborn
7  torch
8  torchvision
9  tqdm
0  pexpect
1  beautifulsoup4
2  tinycss2
3  idna<4,>=2.5
4  urllib3<3,>=1.21.1
5  decorator
6  umap-learn
```





Estimated parameters:

Mean ( $\lambda_1$ ) for families with family planning: 1.7915153702835562

Mean ( $\lambda_2$ ) for families without family planning: 4.918454677084554

Proportion ( $\pi_1$ ) of families with family planning: 0.3586429306911793

Proportion ( $\pi_2$ ) of families without family planning: 0.6413570693088207