Assignment-I Dimensionality Reduction

1. Download any USER- MOVIE dataset of your choice

2. Visualize it using multiple dimensions and say why SVD and PCA should be used here (2)

3. Implement SVD and PCA logic on your own and find the appropriate k-dimensions to represent this data (4)

4. Visualize the data (t-sne plot) after applying SVD and PCA (2)

5. State your conclusions as to how SVD and PCA have helped here. (2)