**ELDMA:**

**PCA**: Contains code for performing Principal Component Analysis on the drug and microRNA similarity matrices for dimensionality reduction.

Drug similarity: Drug similarity matrix (831x831)

MiRNA similarity: MiRNA similarity matrix (541x541)

Drug similarity-PCA: Drug similarity matrix with reduced dimension, obtained from PCA output (831x100)

miRNA similarity-PCA: MiRNA similarity matrix with reduced dimension, obtained from PCA output (541x202)

[Interaction Dr-Mi-831,541](https://github.com/Deepthi-K523/ELDMA/blob/main/ELDMA/Interaction%20Dr-Mi-831%2C541.txt): Drug-MiRNA association matrix (831x541).

**ELDMA.PY**: Python file to implement CNN-SVM. The implementation is done using the Keras 2.3.1 library with TensorFlow as the back end (Version: 2.1.0)