* **NHANESPreprocessing.ipynb**
  + Initial preprocessing of NHANES dataset for around 2500 participants.
* **NHANESMerge\_Hybrid.ipynb**
  + Merging and preprocessing of NHANES dataset for every participant.
* **NHANESExploratoryAnalysis.ipynb**
  + NHANES Data exploration.
* **NHANES\_Traditional\_Scenario\_1.ipynb**
  + Traditional ML scenario for participants with top five diseases which are around 2500.
* **NHANES\_Traditional\_Scenario\_2.ipynb**
  + Traditional ML scenario for all individuals.
* **NHANES\_NeuralNetworks\_CNN\_Approach.ipynb**
  + Application of CNN on NHANES dataset due to the understanding of data complexity. (Overkill model)
* **NHANES\_NeuralNetworksApprach\_3RF2ANN\_ANN.ipynb**
  + Hybrid approach of 3 Random Forest and 2 ANN models passed into an ANN model for NHANES dataset.
* **NHANES\_NeuralNetworksApprach\_Smote\_3RF2ANN\_ANN.ipynb**
  + Hybrid approach of 3 Random Forest and 2 ANN models passed into an ANN model using SMOTE technique for NHANES dataset.
* **NHANES\_NeuralNetworksApprach\_5RF\_ANN.ipynb**
  + Hybrid approach of 5 Random Forest models passed into an ANN model for NHANES dataset.
* **NHANES\_NeuralNetworksApprach\_Smote\_5RF\_ANN.ipynb**
  + Hybrid approach of 5 Random Forest models passed into an ANN model using SMOTE technique for NHANES dataset.
* **NHANES\_NeuralNetworksApprach\_LDA\_ANN.ipynb**
  + Best Hybrid approach of LDA models passed into an ANN model for NHANES dataset.
* **NHANES\_NeuralNetworksApprach\_Smote\_LDA\_ANN.ipynb**
  + Best Hybrid approach of LDA models passed into an ANN model using SMOTE technique for NHANES dataset.