- Exploratory data analysis and visualization
 - Illustrate the data
 - PCA with feature scaling
 - Include comments on what can be learned from the visualizations
- Classification
 - o M1: Decision Trees
 - Methodology
 - How we applied the method to the data
 - Details needed to reproduce the results
 - How hyperparameters were selected
 - Reference Decision Tree Any Python Library
 - Homebrew Decision Tree No Keras, TensorFlow or Pytorch. Preprocessing can be done with any packages.
 - Interpretation/Visualizations
 - M2: Feed-Forward Neural Networks
 - Methodology
 - How we applied the method to the data
 - Details needed to reproduce the results
 - How hyperparameters were selected
 - Reference FFNN Any Python Library
 - Homebrew FFNN- No Keras, TensorFlow or Pytorch. Preprocessing can be done with any packages.
 - Interpretation/Visualizations
 - M3: One or more classification methods, free choice.
 - Methodology
 - How we applied the method to the data
 - Details needed to reproduce the results
 - How hyperparameters were selected
 - Reuse reference implementations from old reports? Any library, no restrictions
 - Possibly use an ensemble method using reference implementations of models. – Any library, no restrictions
- Interpretation
 - o Discuss performance of each method
 - Compare methods and interpret results
 - O Why do some methods perform better than others?