1. Define the following terms:
   1. Supervised learning and Unsupervised learning: Supervised learning uses labels in its input and output where as unsupervised uses no labels and works to discover the innate structure
   2. Classification and Prediction: Classification labels and categorises things, where as prediction tries to identify unavailable of missing data
   3. Confusion matrix (Contingency table), Accuracy, and Error rate: A confusion matrix is s summary of results that have been predicted from a classification problem. The results are then summarised by count values and broken down. Accuracy is the measures of how close something was to being correct