Neural Networks & Deep Learning: ICP1

1. Implement Naïve Bayes method using scikit-learn library Use dataset available with name **glass**

Use **train\_test\_split** to create training and testing part Evaluate the model on **test part** using score and

classification\_report(y\_true, y\_pred)

1. Implement linear SVM method using scikit-learn Use the same dataset above

Use **train\_test\_split** to create training and testing part Evaluate the model on **test part** using score and

classification\_report(y\_true, y\_pred)

Which algorithm you got better accuracy? Can you justify why?

1. Implement Linear Regression using scikit-learn
   1. Import the given “Salary\_Data.csv”
   2. Split the data in train\_test partitions, such that 1/3 of the data is reserved as test subset.
   3. Train and predict the model.
   4. Calculate the mean\_squared error.
   5. Visualize both train and test data using scatter plot.