

HLD (High Level Design) :- Consumer Complaint Analysis

Import python libraries – these some libraires have to very important to execute for load the data and in others step to run the functions.

Load the data – data is import part of the project what you would be prediction aim base on the data.

Getting information – in initial, gain the information from data which is also important what you want for prediction.

Data Exploration and Visualize – in this you will have to explore the data whatever you have take and visualize the that data that's why you can easily see and understand.

Data Cleaning – this part is more carefully when you go to prepare the model. Remove an unwanted thing which is use for my prediction data.

Build a model – after cleaning then you would have to do build a model for training and testing.

Split the model – when you have ready the model then you do pre-processing by `train_test_split` which is model selection method.

Import keras model & keras Layers – these libraries are within a deep learning libraries which is CNN algorithm part.

Build model base on CNN – when you use a CNN algorithm in deep learning so you would have to create a model.

Model compile – after build model then you have to do model compile.

Model fit -then you have to do model fit process. These process have to important parts of CNN.

Evaluate model -in this you can see the history of Accuracy and loss.

Prediction – use the model evaluate method then give an accuracy.