**YouTube spam comment Classifier**

**Aim: -**

The main aim of this classifier is to detected the spam comment from the YouTube comment section.

**Process: -**

Now a days YouTube spam comment is a huge Problem, with the help of this classifier automatically detected the spam comment. For this I use csv file for the train of this model, total 5 csv file merge for train of the model and first of all preprocess is done on the dataset. Here total 1956 comment on the dataset,1001 from class 1 and 951 from class 0, Class 1 is the spam class and class 0 is the normal comment. Next Tokenization process is done with the help of the Bag of word and then the common word is classifier from the dataset. Next total 4 types of Classifiers use for the classification of the comment. The 4 types of classifiers are XGBClassifier, LGBMClassifier, RidgeClassifier, MLPClassifier and next the confusion matrix is created for all different type of classifier and compare the accuracy and according of that result Which type of classifier is use that selected.

**Conclusion: -**

In this process 4 different types of classifier is used and then compare between that classifier and the classifier with the best accuracy is used for the spam detection, This process is help for accurately detection of the spam comment from the YouTube comment section and also the accuracy for the classifier is increase.

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