Data Pre-Processing Balancing The Dataset

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Project Name	Smart Lender- Applicant Credibility Prediction for Loan Approval

Data Balancing is one of the most important step, which need to be performed for classification models, because when we train our model on imbalanced dataset ,we will get biased results, which means our model is able to predict only one class element

For Balancing the data we are using SMOTE Method.

SMOTE: Synthetic minority over sampling technique, which will create new synthetic data points for under class as per the requirements given by us using KNN method.

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From the above picture, we can infer that previously our dataset is having 492 class 1, and 192 class items, after applying smote technique on the dataset the size has been changed for minority class.