**Kaggle Competition DataSet - Santander Customer Satisfaction**

The project is about finding the happy customers of Santander Bank as Customer Satisfaction is the key measure of success.

In this project, I developed a Decision Tree Classification model to help Santander understand the no of Happy customers vc Unhappy customers.

Decision Tree Model Steps:-

1. Initially, I loaded the Training at Testing Dataset into jupyter notebook.
2. Carefully examined the data by understanding the data using describe()- which gives the information about various statistical functions like mean, median, count, percentile etc.
3. After removing the target variable from the training dataset, I made a decision tree classification model to predict the Target variable for the testing dataset.
4. Using the default Decision Tree model, I was able to achieve the accuracy of 50%.
5. After performing hyperparameter tuning by selecting various features and using various search algorithms, the accuracy of the model was improved drastically to 78%.