**Airline Passengers Satisfaction**

**Abstract**

Airlines company always strive to satisfy the passengers , Also the airlines need to know on which aspect of the services offered by them have to be emphasized more to improve passenger's Satisfaction , And through data science, we can predict passengers satisfaction .

The main purpose of this dataset is to predict whether a future customer would be satisfied with their service given the details of the other parameters values.

**Data :**

The used dataset contains around 130,000 survey entries. There are 23 feature columns and the passengers rate the flight experience on a scale of 1 to 5.

**Algorithms :**

1. **Logistic Regression**

**Training Accuracy = 83.62% & Test Accuracy = 83.27 %**

1. **Confusion Matrix**

**Precision = 84.7% & Recall = 85.7%**

**Tools :**

* Numpy and Pandas for data manipulation
* Scikit-learn for modeling
* Matplotlib and Seaborn for plotting

**Communication :**

Used Matplotlib and Seaborn for presentation .