

Airline Passenger Satisfaction Luluh Al Quraishi

Agenda

- Abstract
- Data Description
- EDA
- Re-Processing
- Model Evaluation

Abstract



Airlines strive to satisfy the passengers in all respects.



Through Technology and Advanced science, Airline companies can predict the satisfaction of the traveler.

Data Description



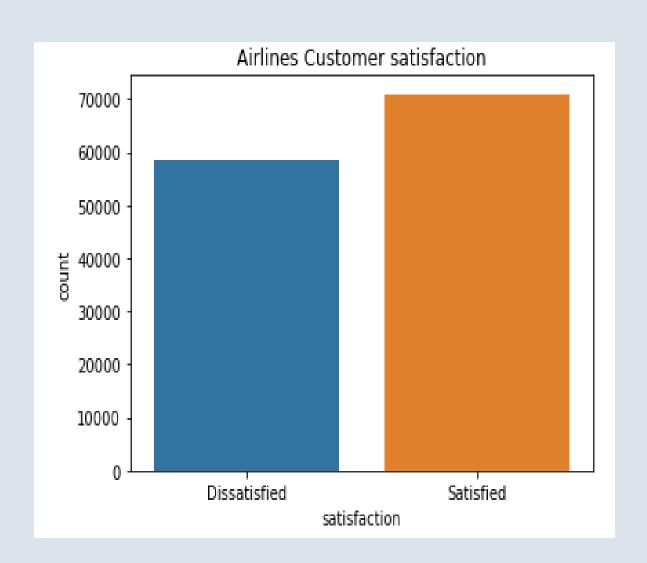
Around **130,000** survey entries.

23 feature columns and the passengers rate the flight experience on a scale of 1 to 5.



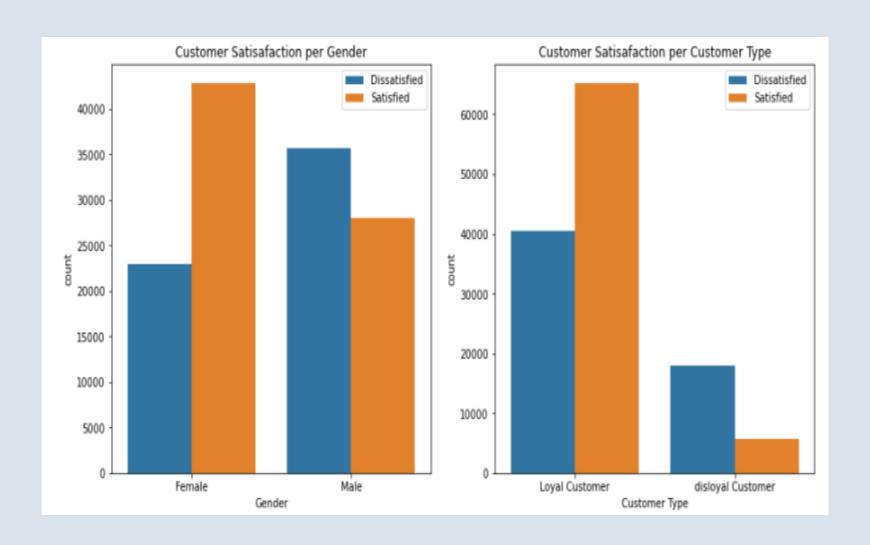
Target -> Satisfied

Exploratory Data Analysis (EDA)

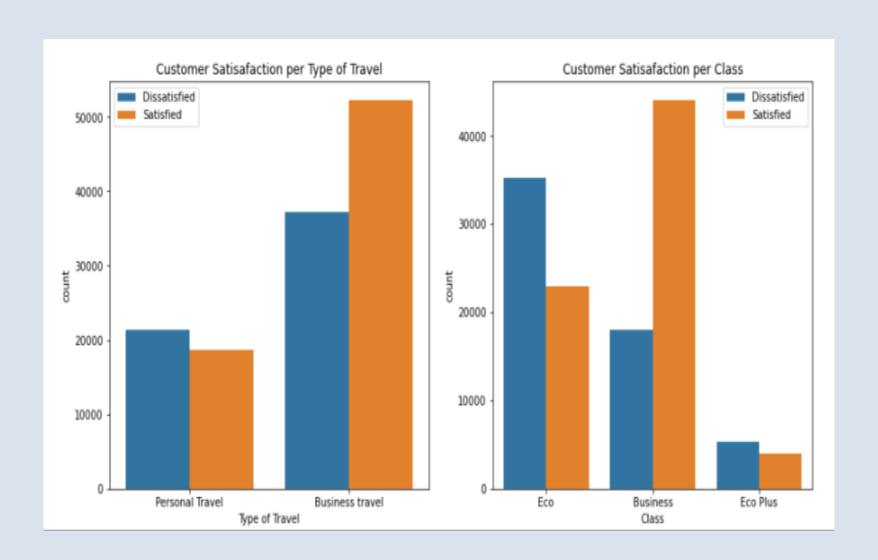


Balanced Dataset

Exploratory Data Analysis (EDA)



Exploratory Data Analysis (EDA)



Re-Processing

Cleansing

There is a NULL value in of the columns.



Re-Processing

• Split:

The data has been split to Train data & Test Data

Model Evaluation

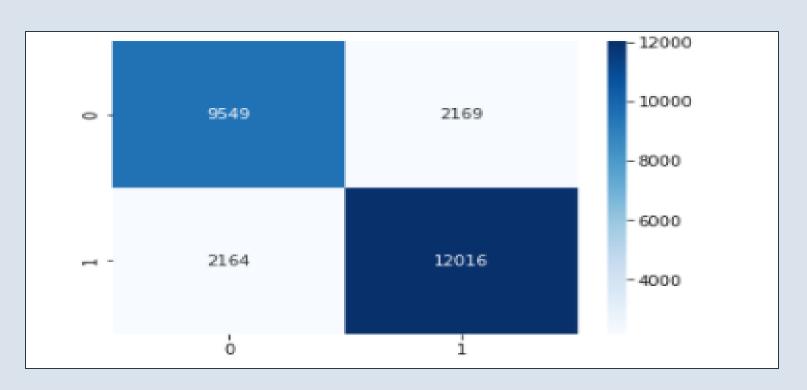
1) Logistic Regression

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Training Accuracy: % 83.62
Test Accuracy: % 83.27
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Model Evaluation

2) Confusion Matrix

Precision = 84.7% & Recall = 85.7%



Thank You ...

