



Model ▼

All ▼

Model	f1-score	precision	recall	support
LightGBM	0.98	0.98	0.98	2345
Random Forest	0.98	0.98	0.97	2345
Decision Tree	0.97	0.97	0.97	2345
KNN	0.97	0.97	0.97	2345
SVM	0.97	0.96	0.97	2345
AdaBoost	0.95	0.93	0.97	2345
LabelPropagation	0.94	0.92	0.97	2345
Label Spreading	0.94	0.94	0.94	2345
LogisticRegression	0.94	0.93	0.94	2345
Naive Bayesian	0.92	0.94	0.90	2345
DummyClassifier	0.70	0.54	1.00	2345

Best Performing Model

LightGBM

0.98

f1-score

0.98

precision

0.98

recall

2345

support

Select all

Decision Tr...

KNN

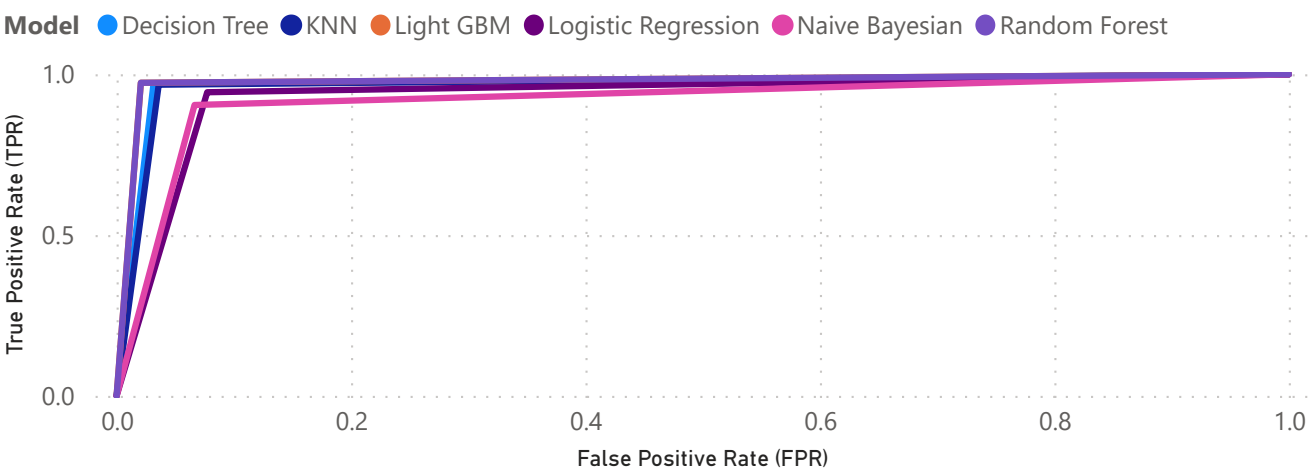
Light GBM

Logistic Re...

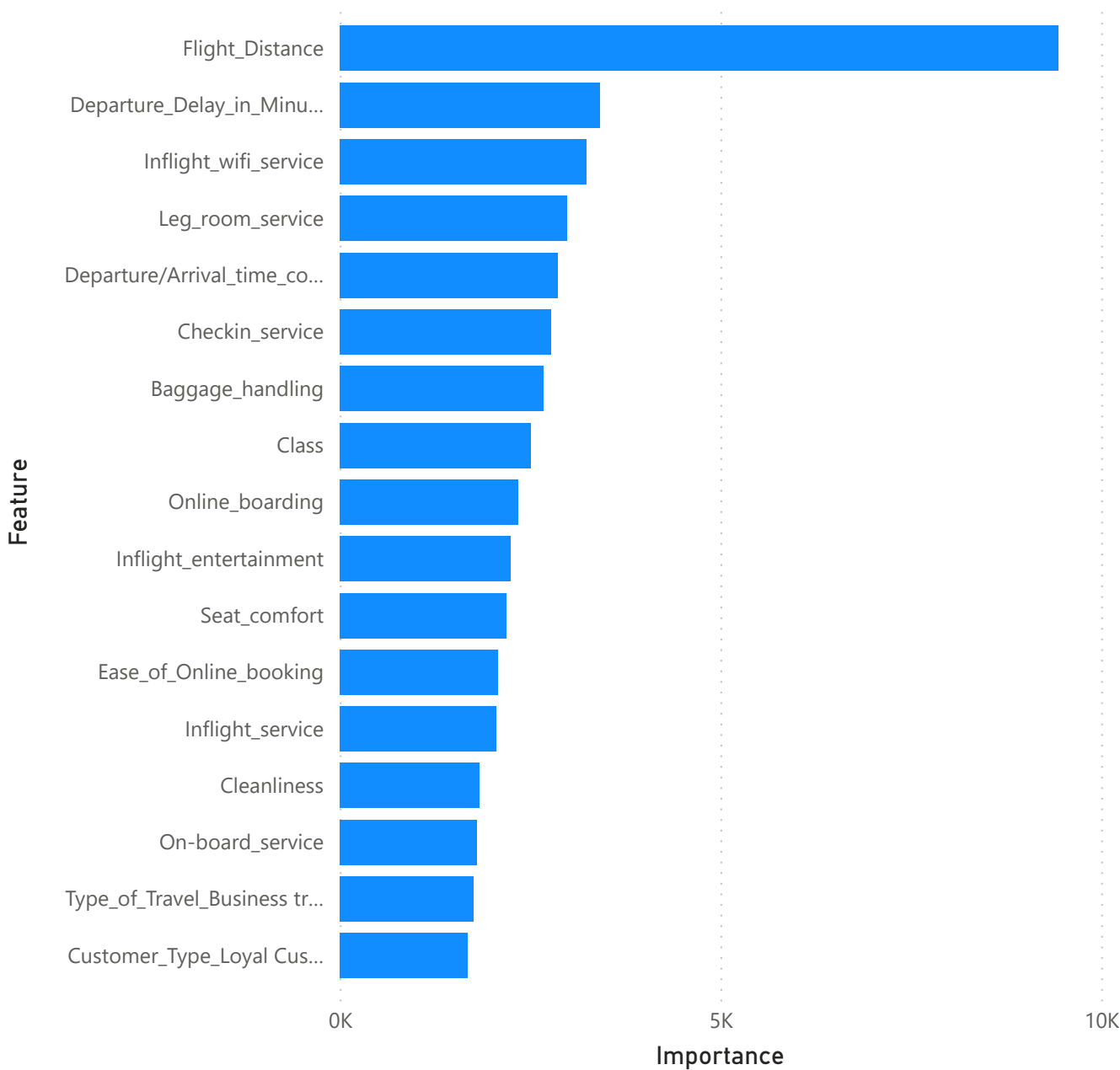
Naive Baye...

>

ROC Curve by Model



Light GBM Feature Importances





satisfaction

Select all

0

1

Month

All

Flight_Distance_Category

Select all

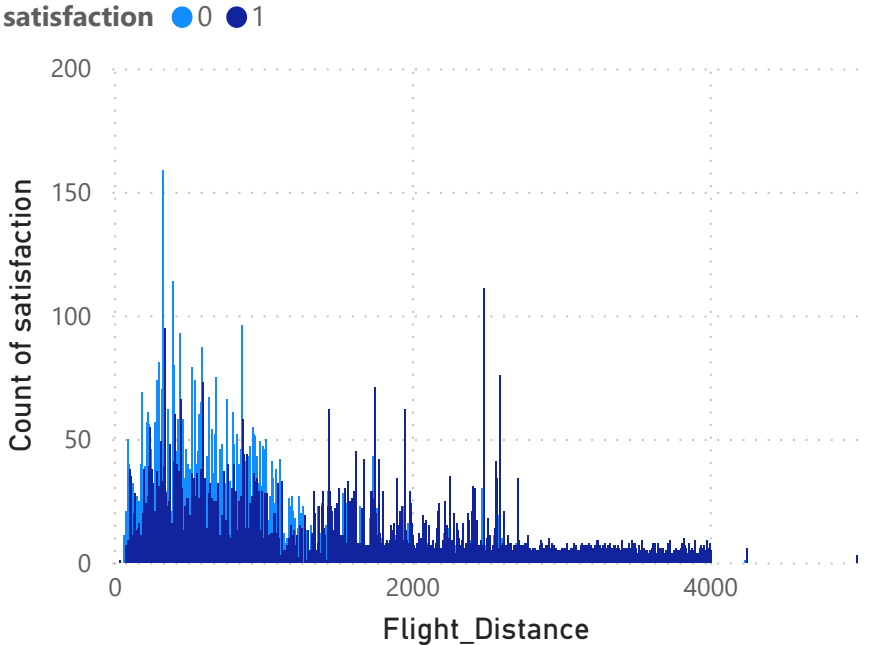
Above Average

Average

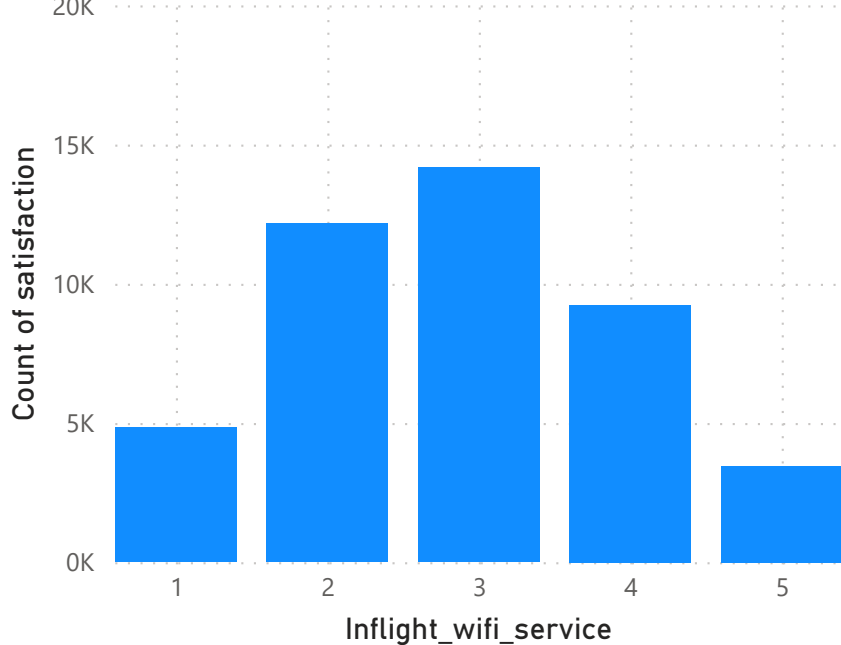
Long

Very Short

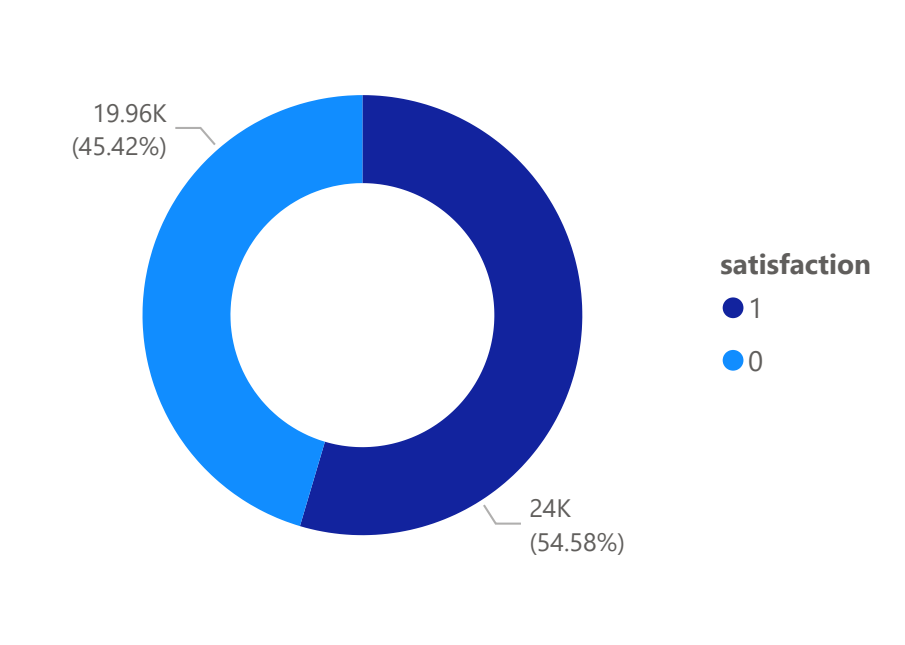
Satisfaction by Flight Distance



Satisfaction by Inflight Wifi Service



Satisfaction



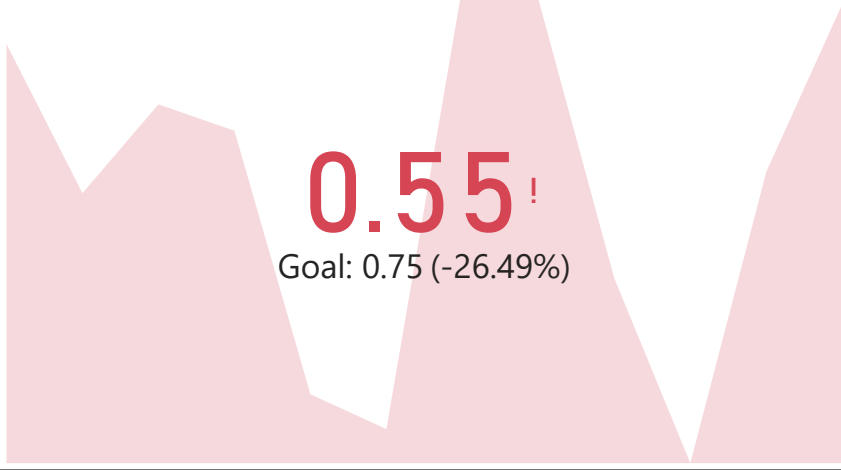
1.32K

Average flight distance

43.96K

Count of satisfaction

Satisfaction Ratio



Average Departure Delay by Month





Cleanliness

Select all

2

4

1

3

5

Baggage_handling

Select all

2

4

1

3

5

Ease_of_Online_booking

Select all

1

3

5

0

2

4

Count of Leg_room_service by Leg_room_service

4

3

5

2

1

Count of satisfaction by satisfaction

Count of satisfaction

20K

15K

10K

5K

0K

1

0

satisfaction

Satisfaction Ratio

0.55!

Goal: 0.75 (-26.49%)

Age

7

85

41.59

Average of Age

41325

Sum of Customer_Type_Loyal...

32716

Sum of Class

3.67

Average of On-board_service