

Airline Passenger Satisfaction

What factors lead to customer satisfaction for an Airline? How to improve it?

Data type

Categorical data: 'Gender', 'Customer Type', 'Type of Travel', 'Class', 'satis'

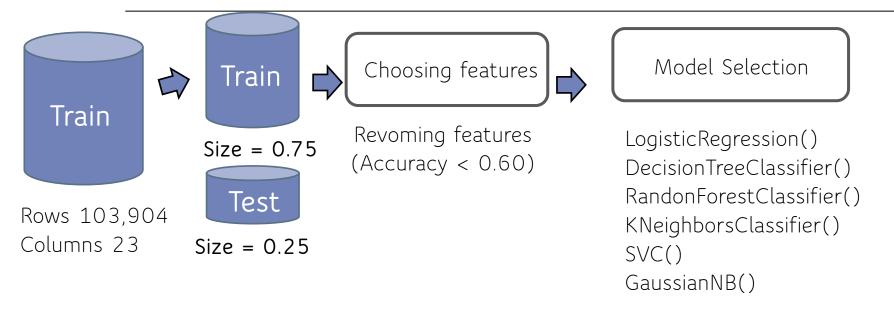
Continuous data: 'Age', 'Flight Distance', 'Departure Delay in Minutes', 'Arrival Delay in Minutes'



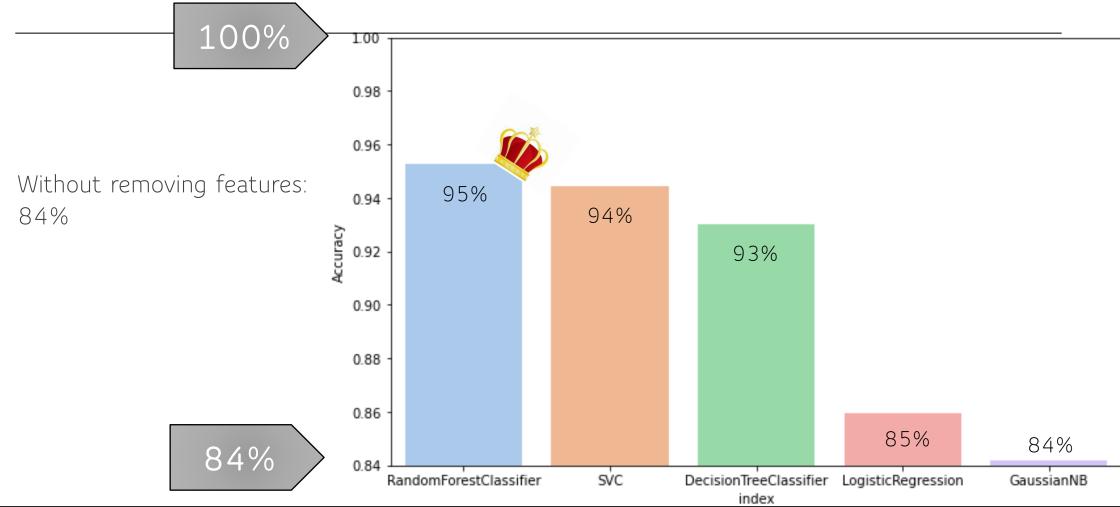
Ordinal data:

'Inflight wifi service', 'Departure/Arrival time convenient', 'Ease of Online booking', 'Gate location', 'Food and drink', 'Online boarding', 'Seat comfort', 'Inflight entertainment', 'On-board service', 'Leg room service', 'Baggage handling', 'Checkin service', 'Inflight service', 'Cleanliness'

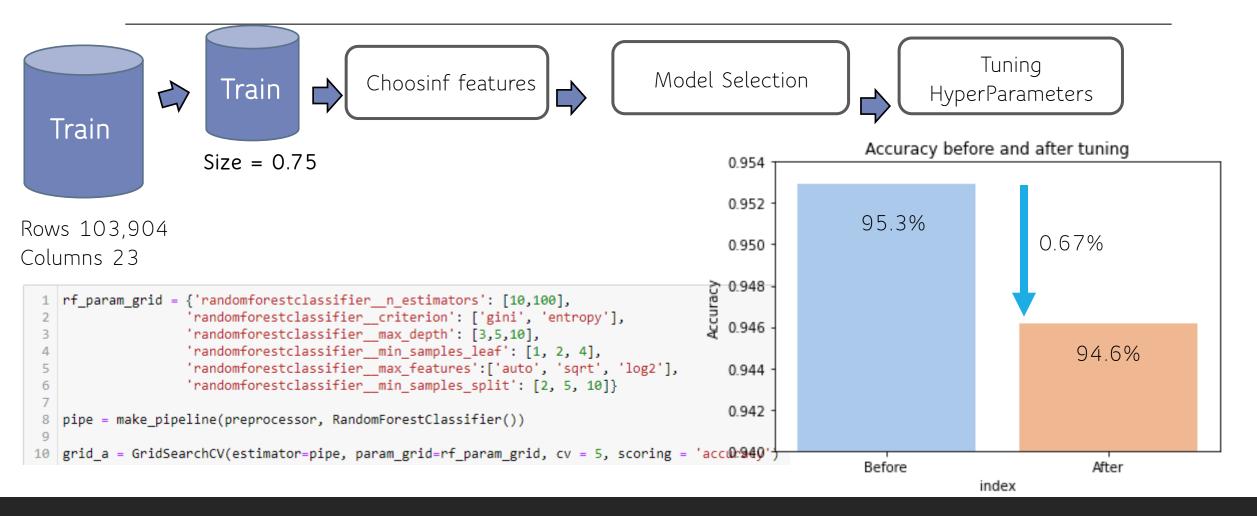
Process



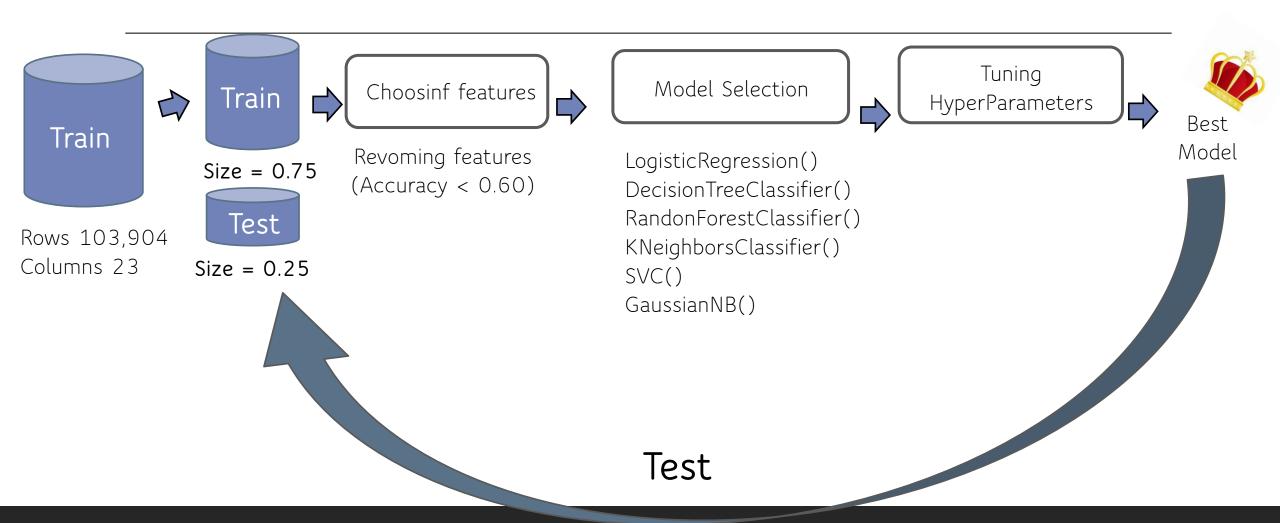
Model Selection



Process

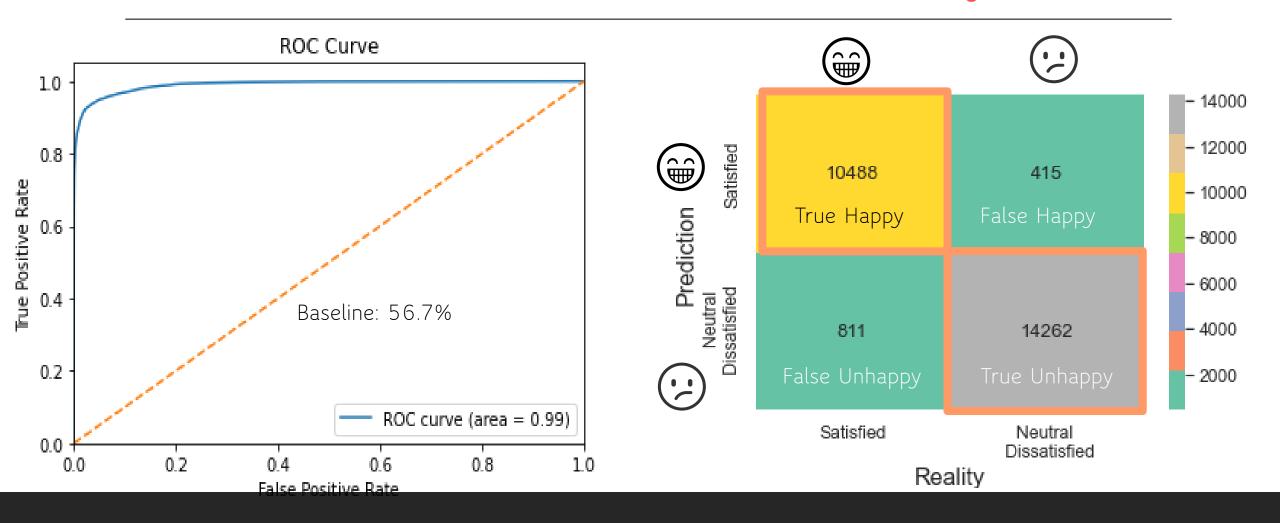


Process



Model Evaluation

Accuracy: 95.38%



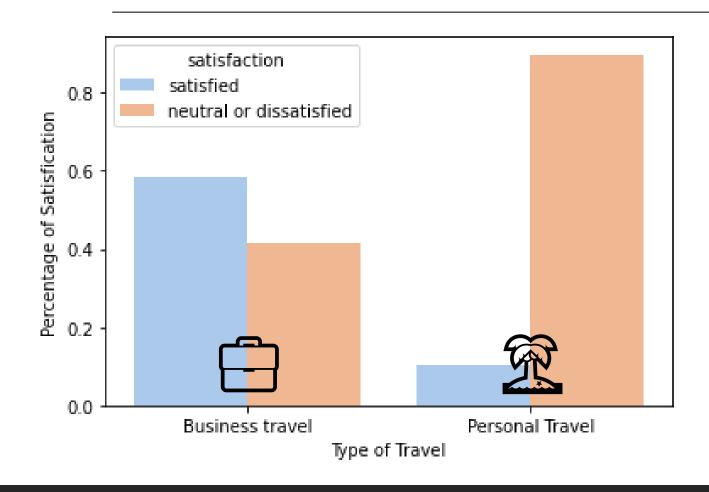
What factors affect satisfication?

Uncontrolable factors

Controlable factors



Uncontrolable factors – Travel Type



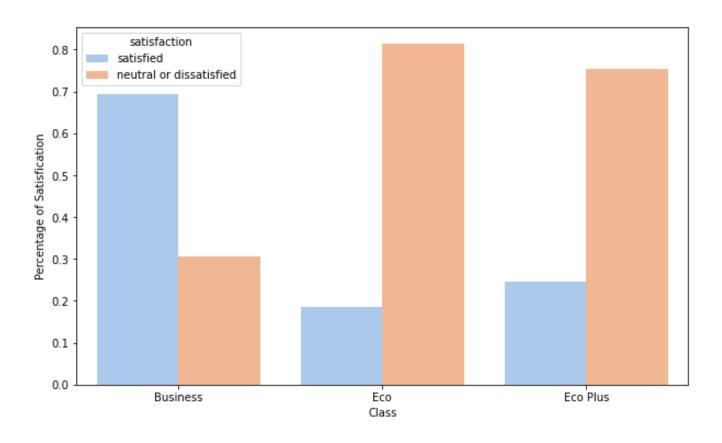
People are happy

when they did not pay their tickets

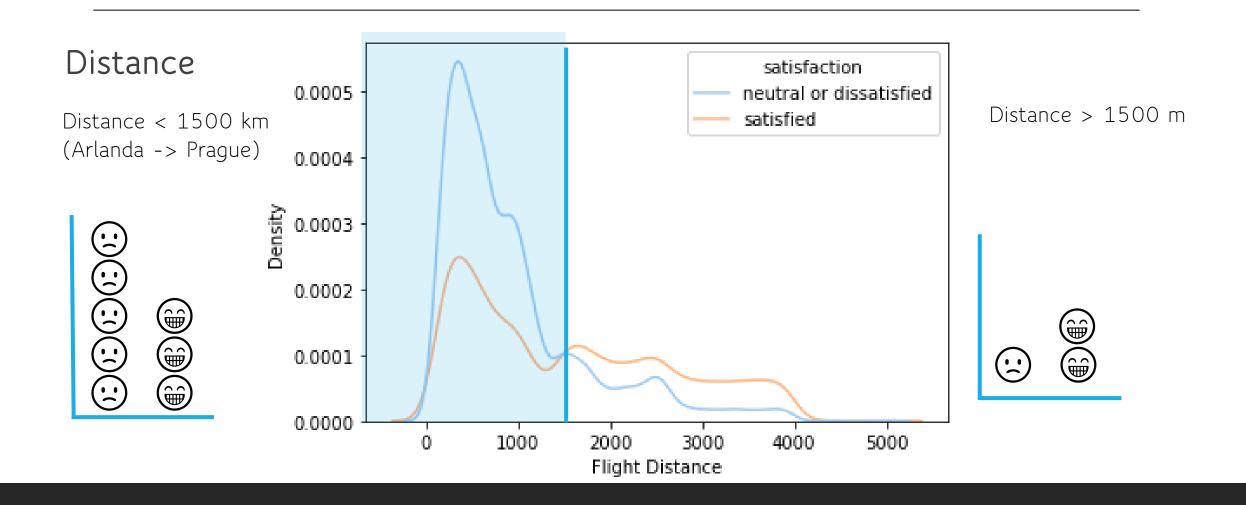
Uncontrolable factors — Class

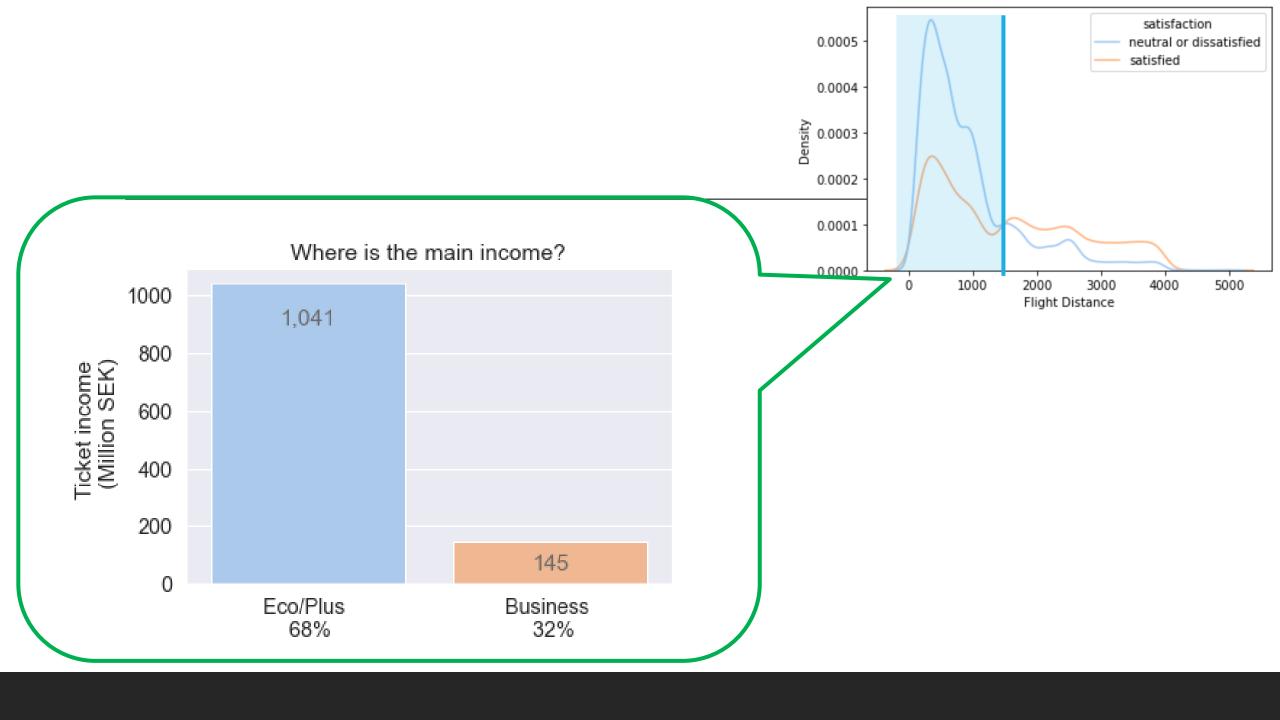
Eco/Eko Plus people are unhappy/nutral

Businesspeople are happy

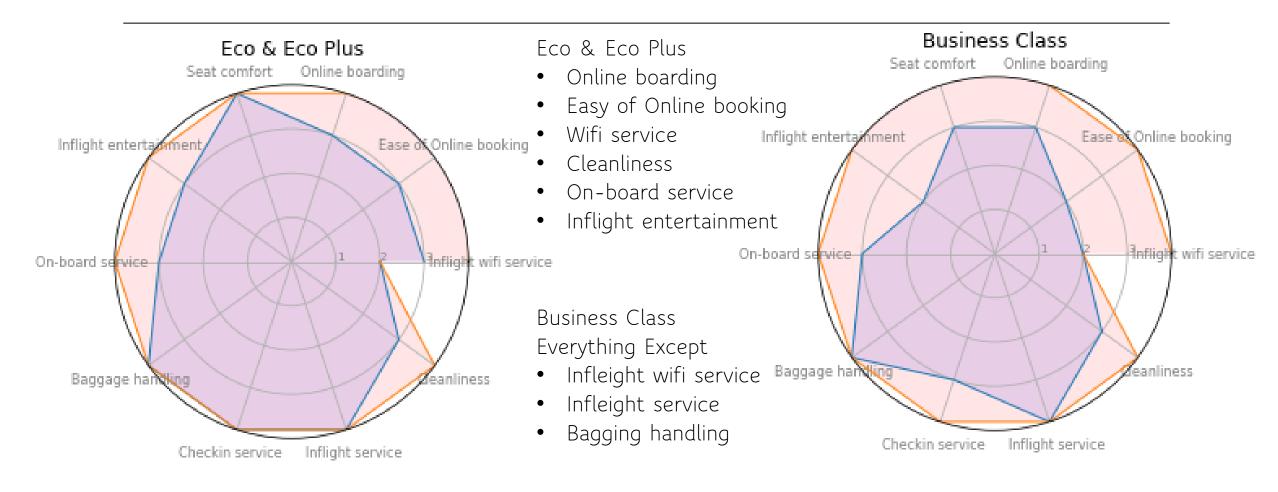


Uncontrolable Factors: Travel Distance





How to make people happy?



Thank you!

Questions?

