# US Airline Passenger Satisfaction

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# **TEAM**



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# REQUIREMENT AND GOALS

# Requirements

**ONDA Platform** 

PostgreSQL Database

**Talend Open Studio** 

Microsoft Power BI

## Goals

How to improve airline services?

What's the most important features?

Who are the most satisfied customers?

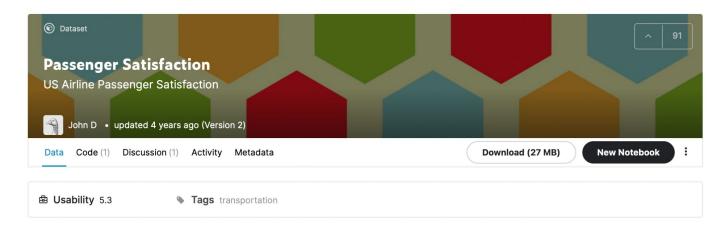
How to improve satisfaction?

**Predict Overall Satisfaction depending on other features** 

# THE DATASET

## Source

https://www.kaggle.com/datasets/johnddddd/customer-satisfaction



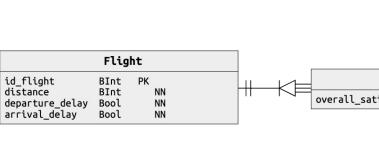
#### Data

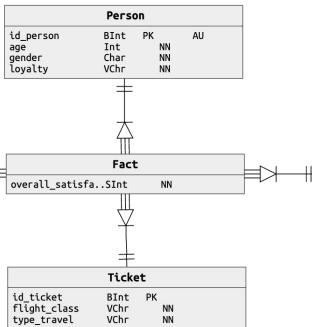
- Airline satisfaction level
- The actual age of the passengers
- Gender of the passengers
- Purpose of the flight of the passengers
- Travel class in the plane of the passengers
- The customer type
- The flight distance of this journey
- Minutes delayed when departure
- Minutes delayed when Arrival
- Whether the Flight cancelled or not
- Minutes of Flight takes

- Satisfaction level of the inflight wifi service
- Satisfaction level of online booking
- Satisfaction level of inflight service
- Satisfaction level of online boarding
- Satisfaction level of inflight entertainment
- Satisfaction level of Food and drink
- Satisfaction level of Seat comfort
- Satisfaction level of On-board service
- Satisfaction level of Online Support
- Satisfaction level of Leg room service
- Satisfaction level of Departure/Arrival time convenient
- Satisfaction level of baggage handling
- Satisfaction level of Gate location
- Satisfaction level of Cleanliness
- Satisfaction level of Check-in service

# DATA DESIGN





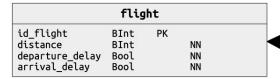


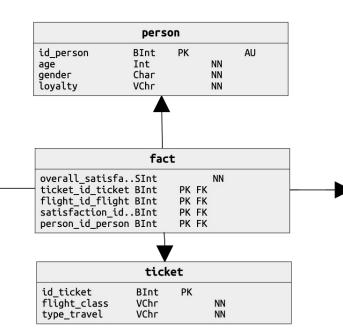
NN

VChr

Satisfaction						
id_satisfaction	BInt	PK	AU			
wifi_service	SInt	NN				
booking	SInt	NN				
time_convinience	SInt	NN				
gate_location	SInt	NN				
food	SInt	NN				
boarding	SInt	NN				
seat_comfort	SInt	NN				
entertainment	SInt	NN				
online_support	SInt	NN				
onboard_service	SInt	NN				
leg_room_service	SInt	NN				
bagage_handling	SInt	NN				
checkin	SInt	NN				
inflight_service	SInt	NN				
cleanliness	SInt	NN				

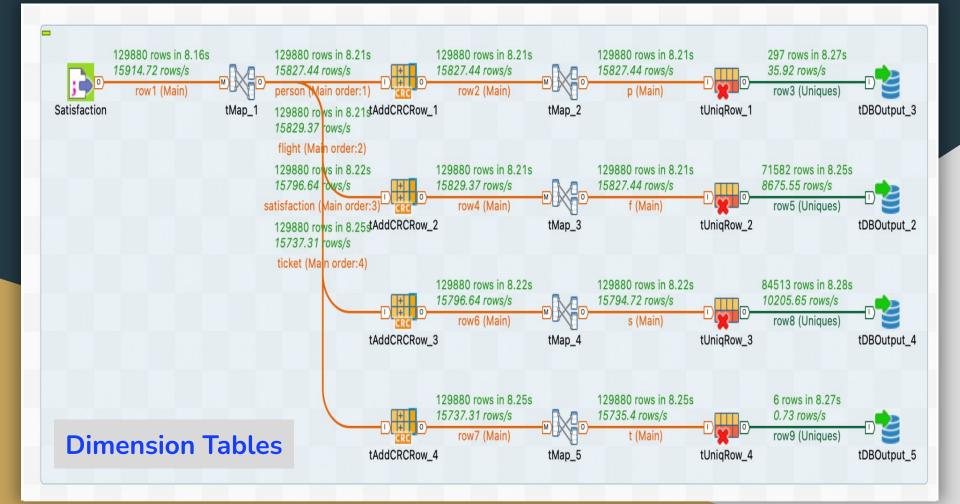
### Physical

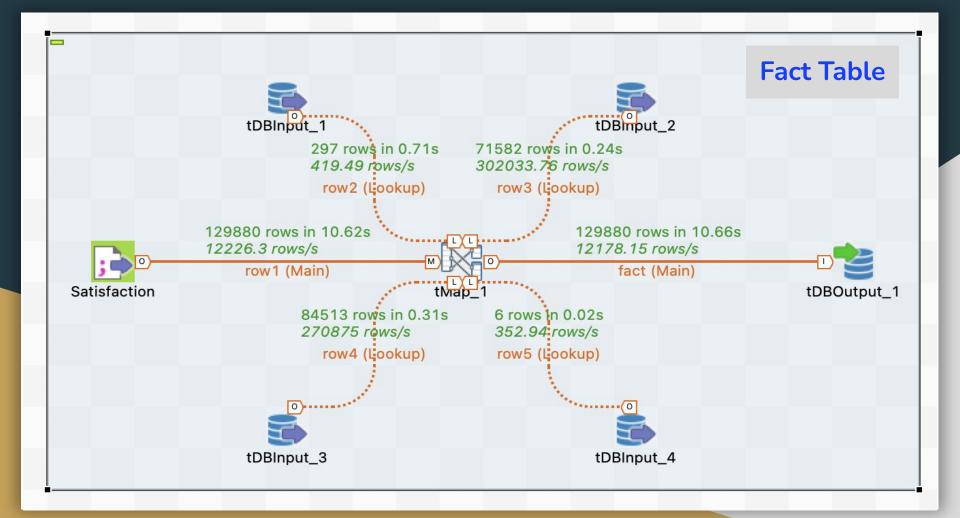




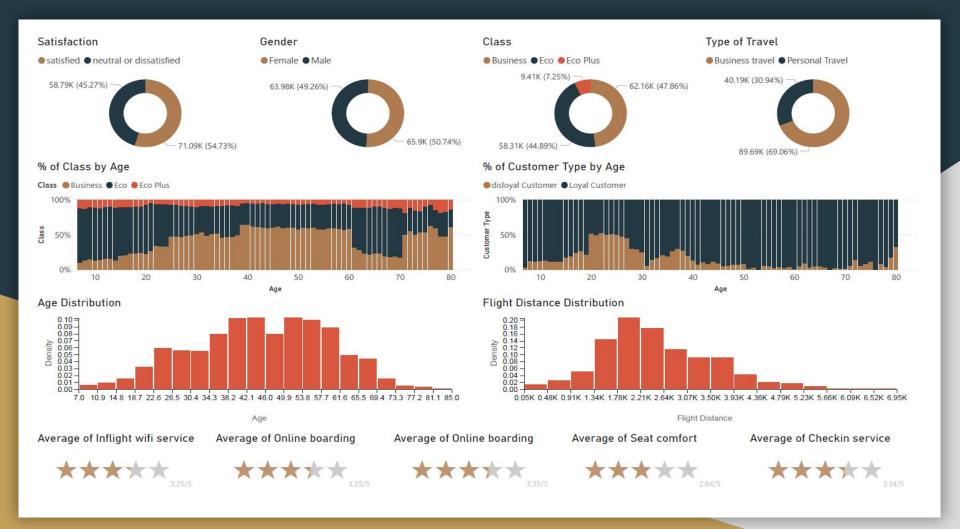
s	atisfa	ction		
id_satisfaction wifi_service booking time_convinience gate_location food boarding seat_comfort entertainment online_support onboard_service leg_room_service bagage_handling checkin inflight_service cleanliness	SInt SInt SInt SInt SInt SInt SInt SInt	PK	NN	AU

## DATA INTEGRATION





## DATA APPLICATION



# Thanks for your Attention!

Any questions?