SDAIA
الهيئة السعودية للبيانات
والذكاء الاصطناعي
Saudi Data & AI Authority

Airline Passenger Satisfaction
Classification

Nora Alsaadi	**Samia Alrakdhi**	**Fai Alomair**
Noralsadi1@gmail.com	Samiaalrakdhi@gmail.com	omairfayy@gmail.com

Question/need:

- What is the relations between variables and satisfaction?
- What is the satisfaction and dissatisfaction rate?
- What are the critical features that have stronger impact on satisfaction rate?
- Which class has the highest satisfaction rate?
- Which flight haul has the highest satisfaction rate?

Data Description:

This dataset contains an airline passenger satisfaction survey. What factors are highly correlated to a satisfied (or dissatisfied) passenger? Can you predict passenger satisfaction? this dataset from Kaggle website.

Tools:

- **Technologies:** Python using Jupyter notebook.
- **Libraries:** Pandas, Numpy, Matplotlib, Seaborn and Sklearn, XGBoost, LightGBM.