

Challenge Short Description

Title: AI in Aviation: Passenger Demand Forecasting

- Case: Demand Forecasting to Maximize Load Factor(LF).
- Description: Design an AI model that will forecast the expected passengers and LF based on flown data, competition (selling fares) and seasonality in order to maximize Load Factor.
- Main Metrics: Passengers Data (from attachment & Online), Capacity Data (from attachment & Online), Competitors Prices (from attachment & Online), Seasonality (online).

For the online sources some ideas are:

- <https://www.timeanddate.com/holidays/?allcountries> (for seasonality)
- <https://el.about.aegeanair.com/ependytes/financial-results/oikonomikes-katastaseis/> (passengers and other data)
- <https://el.about.aegeanair.com/ependytes/anafores/> (passengers and other data)
- <https://www.aia.gr/en/corporate/facts-and-figures> (passengers and capacities)
- <https://www.skyscanner.net/> (selling prices)