

ENGINEERING PROJECT MVP:

PROJECT TASK (HIGH LEVEL): TO BUILD A DATA PIPELINE

SPECIFIC PROJECT CHOICE: TO BUILD A DASH BOARD USING FLIGHT DATA

My project choice is to feed flight data into a pipeline that respond to customer queries. Customers can ask a wide range of questions but we are limiting ourselves to flight_related questions.

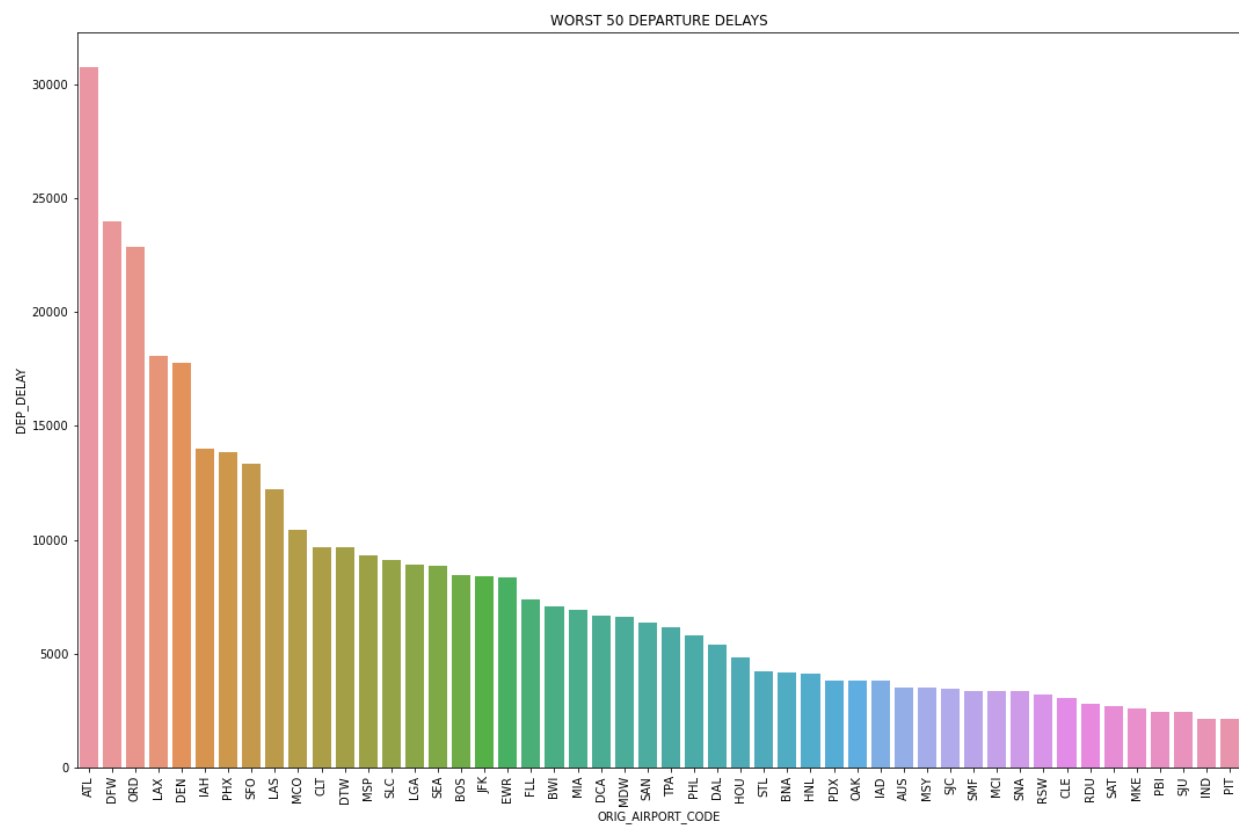
MVP:

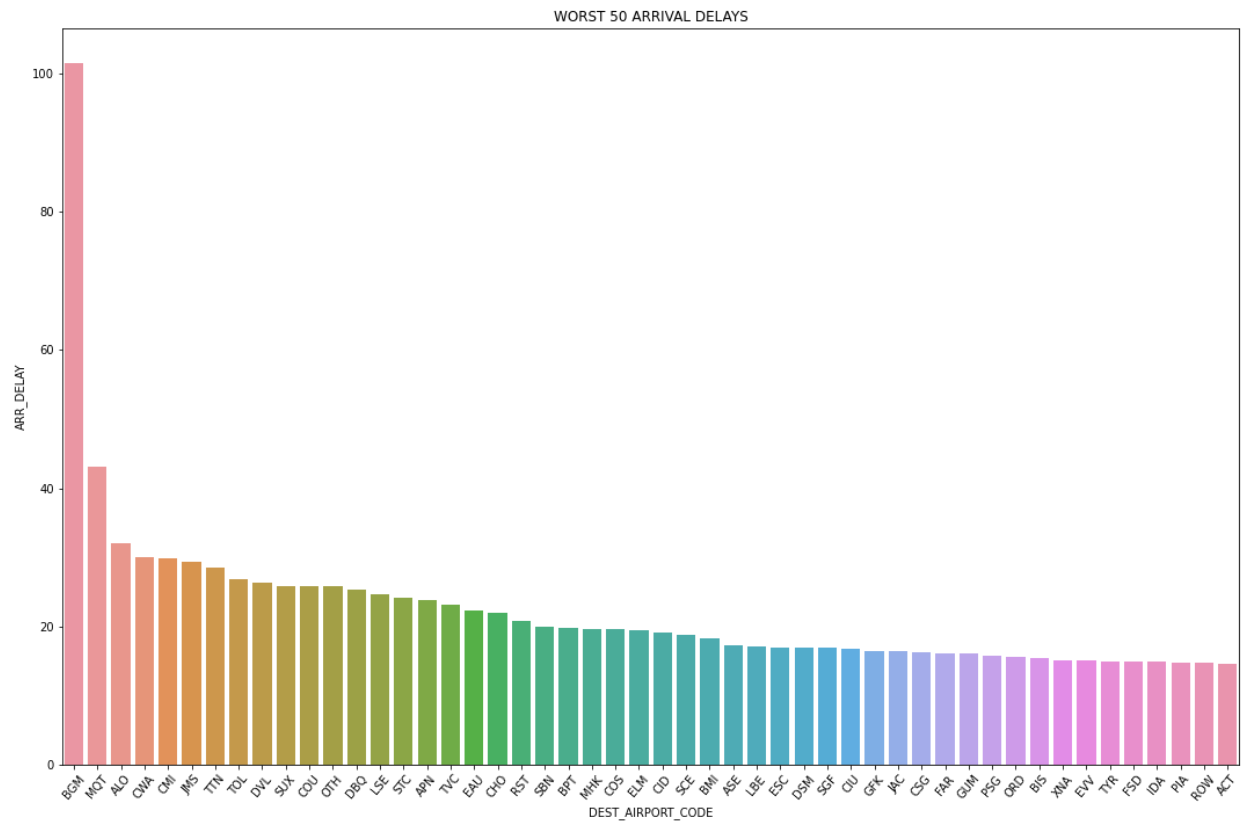
MVP target was a working model, responding to basic queries, for the customer to pass simple delay-related queries. Unfortunately, we have had to:

Having a clear dataset, with sample plots /sample analysis of what client may expect. 500,000 records min.).

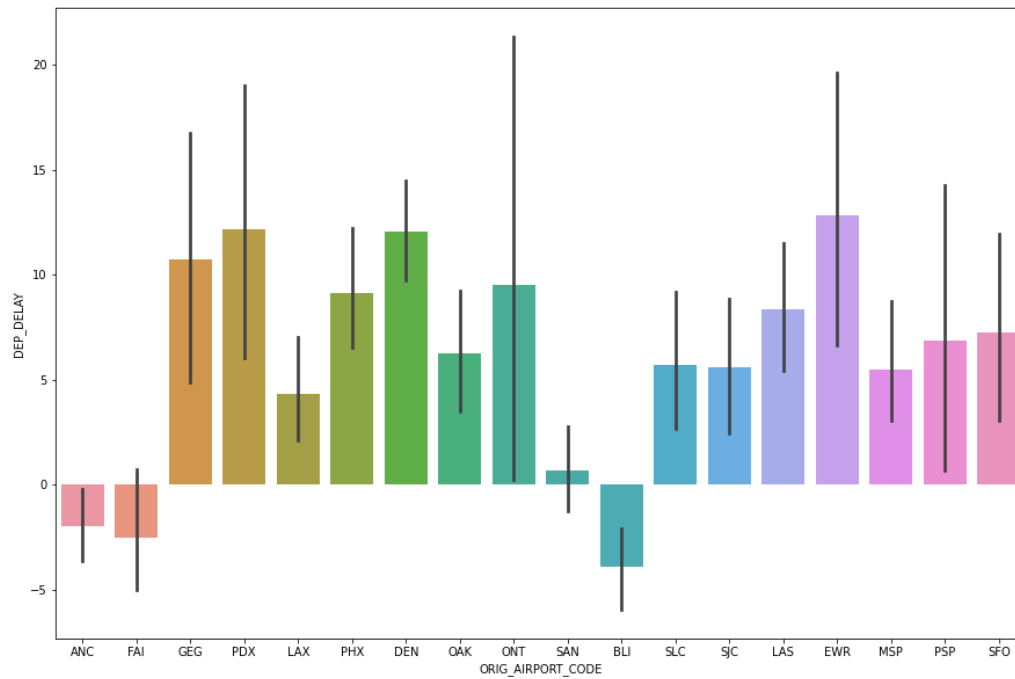
Front-end will be powered by Streamlit.

Major Challenges: MacM1-Tableau compatibility issues. Hence the shift from Tableau to Streamlit. Below are basic plots of the top 50 airports with the largest delays as well as the top 50 arrival-delay-prone airports. At least you know what to avoid.





RANDOM DEPARTURE DELAY DISTRIBUTION



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