# Dataset:

2015 Flight Delays and Cancellations Kaggle dataset

* This collection of data contains three different datasets: airlines.csv, airports.csv, and flights.csv.
* Metadata information is available about the files on the Kaggle website: <https://www.kaggle.com/datasets/usdot/flight-delays>

Questions:

With these datasets, we would like you to investigate the following questions:

* Which airlines perform the worst? Which the best?
  + Does airline performance change over the months of the year? In other words, is one airline always the worst performing, or is there variability?
* Do certain routes commonly end up delayed or canceled across all airlines?
* Create a forecast for the count of cancellations on United Airlines flights with destinations in the state of California in the month of December.

Please prepare a 10-minute presentation summarizing your findings. Be sure to include recommendations on areas where the business could focus its efforts based off your findings. Be prepared to answer a few follow-up questions on your work.

# Expectations:

* We are less concerned with right answers and more interested in seeing your process for this exercise.
* You may use any applications(s), tool(s), or programming language(s) to complete your analysis.
* You are allowed to use external resources to complete this exercise (e.g. looking something up on StackOverflow)
* **Please submit all files, including code, visualizations, and slides, that you used to answer the questions by 9AM Central the day of your interview. You should email these materials to** [**greg.jackson@united.com**](mailto:greg.jackson@united.com)**.**