# *Analysis of Demographics and Status of Flights*

Notes regarding study:

- Tough to find datasets containing relational tables on Kaggle to work with, opted for splitting an 'Overall' table into a relational structure with a universal primary key

- Basic study with outdated source; Specifically used for showcasing ability to perform SQL queries to obtain project specific datasets, then transfer to Tableau for visualization

- Used Tableau public, which does not allow connection to MySQL data source. CSV files were exported from MySQL workbench query by query for each question that needed answering

Notes on study structure:

Wanted to answer the following questions, which were designated after a first-look of the original dataset:

1. What is the average age of Male and Female passengers per continent of departure?

2. What is the percentage distribution of flight statuses globally?

3. What is the age distribution of passengers per departing continent?

4. What percentage of flights are on time per continent of departure?

5. What countries have the most departing flights?

*All above questions are answered in Tableau Public dashboard, linked (here) and in README file in repository.

Takeaways from First Level Analysis and Tableau Visualization

- South America has the highest propensity for cancelling departing flights of all the continents.

- Africa has the highest On-Time percentage for departing flights.

- Asia has the highest average female age for departing passengers, Europe has the lowest.

- Oceania has the highest average male age for departing passengers, Asia has the lowest.

- Distribution of ages tends to be similar across all continents, with category '65+' making up the largest percentage of departing passengers for each continent.

- Relatively even split globally for whether a flight is on time, delayed, or cancelled

- The US has the most departing flights, followed by Australia, Canada, and Brazil.