

Build Data Dashboards project's submission

Dashboard

- https://public.tableau.com/views/BuildDataDashboardsproject_16443480221510/DelayedreasonssortedbystatesAirLineDestinations?:language=en-US&:display_count=n&:origin=viz_share_link

Insight 1: Difference between average of departure and arrival delay

- https://public.tableau.com/views/BuildDataDashboardsproject_16443480221510/Differencebetweenaverageofdepartureandarrivaldelay?:language=en-US&:display_count=n&:origin=viz_share_link
- It looks like that there is a difference between average of departure and arrival delay. That means that the pilots may increase the speed to overcome the delay. That opened the question of the reasons of the delay.
- I have chosen the lines to be easily obtained if there is difference or not.
- Ref: <http://www.kaggle.com/usdot/flight-delays/data%23flights.csv>

Insight 2: Causes of arrival delay sorted by airline

- https://public.tableau.com/views/BuildDataDashboardsproject_16443480221510/CausesofarrivaldelaysortedbyAirLine?:language=en-US&:display_count=n&:origin=viz_share_link
- I sorted the delay reason by the Air Line. It was apparent that more than 50% of delay reasons was either by air craft or airline. Spirit Air Lines was the most delayed airline. Air system delay has been noticed also as an apparent reason also. That opened a new question for the destinations with the worst delays.
- I have chosen the horizontal bar to be better for the names of the airlines to be read. Also, the reasons within every airline are colored for the color blinds.
- Ref: <http://www.kaggle.com/usdot/flight-delays/data%23flights.csv>

Insight 3: Top 10 delayed destinations sorted by airline

- https://public.tableau.com/views/BuildDataDashboardsproject_16443480221510/Top10delayeddestinationssortedbyAirLine?:language=en-US&:display_count=n&:origin=viz_share_link
- Now, it is time to think about which destinations have the worst delayed. First, I combined the origin and destination airport as one field to get the destinations. Only top 10 most delayed destinations were group to get the reasons in compared. That was because the huge data provided. It is clear enough that the SMF, ATL destination is the worst delayed one, but it was surprising that the airline delay was the main reason for that destination especially Delta Airline.
- The vertical bars were the choice for this insight. That was due to the combination between destinations and airlines. The color was provided for each reason and also was chosen for the color blinds.
- Ref: <http://www.kaggle.com/usdot/flight-delays/data%23flights.csv>

Insight 4: Average arrival delay by state

- https://public.tableau.com/views/BuildDataDashboardsproject_16443480221510/AveragearrivaldelaybyState?:language=en-US&:display_count=n&:origin=viz_share_link
- Finally, I need to connect all the obvious insights with states. It is important to get an idea if the delay was linked with specific state or not. The map show that there is no specific state with the worst delay. That was may be due to the destinations are between states not in-between the same state.
- The map was the best choice for this insight especially if it was the main filter for the dashboard. It is amazing and interesting. Also, there were other sheets were designed for cancelled reasons and sorted either by month or airline.
- Ref: <http://www.kaggle.com/usdot/flight-delays/data%23flights.csv>