UDACITY

Project 4 – Build Data Dashboards

Program: Nanodegree Data Foundations
Name: Camila Morais de Melo
E-mail: camila_moraismelo@hotmail.com

1º Insight – Best days of the week to go travel

https://public.tableau.com/views/UdacityP4-I1/Ds_Insigt1?:embed=y&:display_count=yes&publish=yes

Insight explanation

At this graph, we can evaluate the quantitative and dispersion variables related to the average duration time in the arrival times in the US airports, we could observe by this sample that Friday and Thursday are the days of the week with the lowest average time of delays and lower variation.

The airline "Spirit Air Lines" (Orange) has the worst averages, 23h on average of delay on Sundays, the company "Delta Air Lines Inc." (Purple) is among the best averages of delay, with the vast majority **below zero**, that is, it arrives sooner than expected.

2º Insight – Best months of the week to go travel to the US

https://public.tableau.com/shared/5QPGTBXXC?:display_count=yes

Insight explanation

This dashboard I gathered some information of average delay of the airlines, considered a grouping in the Tableau (sum of the delay of arrival and departure) and the indicators of months and state.

The most common destination for Brazilians is the state of Florida in the cities of Orlando and Miami, we can filter the data of the three charts by clicking on the state, in this sample we observed that the school holiday months are the worst months to travel to Orlando, considering that many people travel on family vacations to this destination.

The best months to travel to this destination are the months of November, April and May, if you choose to travel by Alaska Airlines Inc. and Virgin America there is a high probability that your flight will arrive on time or with a shorter time delay.

NOTE: By evaluating all sample data, the best airlines are Alaska Airlines Inc., Hawaiian Airlines Inc., and Delta Airlines Inc.

3º Insight – A delay in take-off affects the entire interconnected fleet

https://public.tableau.com/views/UdacityP4DS-I3_3/Ds_Insigt3?:embed=y&:display_count=yes

Insight explanation

In this scatter plot we can see that the take-off delay time is directly linked to the delay time in the flight and landing of the airplane. Knowing that a high number of flights are carried out daily and all the schedules and that are systemically scheduled when a flight delays directly also delays the other flights that interconnect.

Resources:

https://translate.google.com.br

https://onlinehelp.tableau.com/current/pro/desktop/en-us/accessibility_dashboards.htm