Telling Stories with Data

Insight 1 : **Travelling Rate across the Week**

https://public.tableau.com/profile/clement.fonyuy#!/vizhome/Countofscheduleddeparturepereachdayoftheweek/Sheet2?publish=yes

From the line chart present in the link above, we can see a line chart of scheduled departure against weekdays.
From the visualization, clearly, during the weekdays, that is, from Monday to Friday the scheduled departures are relatively high but as for the main day for the weekend that is **Saturday**, the schedule departures are low.
To conclude, we can affirm that individual would less likely travel during the weekends, they prefer to enjoy during weekends and travel during the week. The highest probable traveling day is Monday.
Design: I used the line chart because it is clear, simple and straightforward. It shows the pattern of how the scheduled departure evolves across the week neatly.

Insight 2: **Distribution of cancelled flights across months of the year 2015**

https://public.tableau.com/profile/clement.fonyuy#!/vizhome/Distributionofcancelledflightsacrossmonthsoftheyear2015/Sheet1?publish=yes

From the Tree Map in the link above, we can see the distribution of cancelled flights across the twelve months of the year 2015.
From the visualization, we can clearly see that **July** is the month that has the highest number of cancellations, this can be as a result of July being the month of holidays where people travel a lot and hence there is a high rate of cancellations too.
Design : I used the Tree Map because it is clear and we can easily distinguish the changes and variations across the months. Also the colors are simple and not distracting.
I included a filter for cancellation across specific days during the week in this visualization so one actually spot when in the week cancelations actually occurs.

Insight 3: **Cancelled flights Per week days and Average departure delays per month**

https://public.tableau.com/profile/clement.fonyuy#!/vizhome/Dashboardofcancelledflightsperweekanddelayedflightspermonth/Dashboard1?publish=yes

From the dashboard present in the link, we have two worksheets, one has a histogram that depicts the number the variation of cancelled flights across weekdays. We clearly see that on Mondays clients tend to cancel their flights most. This is to reschedule another flight for around Friday to enjoy their weekends. Generally Monday is the time people tend to plan their week hence they cancel a lot of flights.
Design: The histogram is very straightforward and you can easily measure or observe which variable value is greater or lower. Also I included a Tool tip so the visualization is better understood.

The next worksheet on this dashboard is a packed bubbles, that represents the average departure delay for each month of the year 2015. On this visualization we have bubbles that represent the twelve months of the year. And the size of each bubble corresponds to the average departure delay time of each month. We observe that June has the highest delay time, this because it is the month where most people are striving to go on holiday and it's the first month of holidays , there is a large amount of delay because people tend to prepare themselves well before travelling.
Design: I used packed bubbles because they all have the same shape which will be less distracting to my audience. Also it is easy to see the smaller/bigger bubbles, hence drawing conclusions more easily.

Ressources :
Below are some links I checked that gave me some inspiration while completing this project, also these links had some valuable information.

- https://www.skyscanner.com/tips-and-inspiration/why-flight-prices-change-every-minute
- https://www.opodo.co.uk/best-time-to-book-flights/
- https://www.expedia.co.uk/vc/c/flight-tips-holiday-inspiration/best-time-book-flights-home-christmas/