

### ➤ **CLEAN DATA:**

1. Replace (A, B, C,D) value with full reason

A - Airline/Carrier  
B - Weather  
C - National Air System  
D - Security

Great introduction to your data cleaning and the calculation of the fields. Good job here!!!

Notice there are no d “security” delay

2. Create full date calculation field

➡ DATE (STR ([Month]) + '/' + STR ([DAY]) + '/' + STR ([Year]))

### ➤ **Prepare Data:**

- 1) Connect flight.csv
- 2) Join flight.csv to airline.csv left join where “airline” = “IATA CODE”
- 3) Join flight.csv to airport.csv left join where destination “airport” = “IATA CODE”

### ➤ **visualization:**

#### 1) What is the most USA airport effected with cancellation in 2015?

**Link**

This is a dashboard which is very interactive, I want to congratulate you for the effort you put into this project. You have demonstrated an above average mastery of this tool. Kudos for that!

[https://public.tableau.com/profile/abdelrazek#!/vizhome/TellingStorieswithData\\_0/CancellationReasonRelationwithWeatherDelay](https://public.tableau.com/profile/abdelrazek#!/vizhome/TellingStorieswithData_0/CancellationReasonRelationwithWeatherDelay)

- I. Create filed “Cancellation Reason” for Cancellation Reason category
- II. Create filed “Chart Type ” for change between charts

### **Summary finding**

- 1\_ **Weather** is the most cancellation reason in 2015
- 2\_ **Chicago O'Hare International Airport** is the most USA airport effected with cancellation in 2015
- 3\_ **TX** is the most **USA** State effected with cancellation in 2015

#### 2) What is most traffic airport in 2015?

**Link**

This visual is pretty straightforward, doesn't require a lot of explanation. That is the whole point of this project, to make the visuals so easy to understand that don't require much explanation. Great job

[https://public.tableau.com/profile/abdelrazek#!/vizhome/TellingStorieswithData\\_0/TrafficAirport](https://public.tableau.com/profile/abdelrazek#!/vizhome/TellingStorieswithData_0/TrafficAirport)

- III. Create filed “Total Taxi” for Total Taxi in /out  
Size present total number of flight by airport  
Colure present sum total taxi in +total taxi out

### **Summary finding**

- 1\_ **Hartsfield-Jackson Atlanta International Airport** is most traffic airport in 2015
- 2\_ **Hartsfield-Jackson Atlanta International Airport** is most Taxi in Taxi out in USA airport

### 3) What is the best USA airlines efficiency 2015?

#### Link

Perfect here again! I don't know how you did to include all the logos that was a lot of work! Congratulations for that.

[https://public.tableau.com/profile/abdelrazek#!/vizhome/TellingStorieswithData\\_0/USAairlinesefficiency2015?publish=yes](https://public.tableau.com/profile/abdelrazek#!/vizhome/TellingStorieswithData_0/USAairlinesefficiency2015?publish=yes)

#### Story tab

##### a) Airline late aircraft delay

#### Summary finding

1\_ the Late Aircraft Delay has a big value in the even months

##### b) Most and least Airline

- IV. Create filed “def avg in Late Aircraft Delay”  
→ [Late Aircraft Delay]-{AVG([Late Aircraft Delay])} for level up calculation
- V. shape present airline company

#### Summary finding

1\_ In year, 2015 JetBlue airways had the biggest deference from average Late Aircraft Delay

##### c) Airlines efficiency

Level up calculation by

It was great that you included all these details but it wasn't really necessary for this PDF report.

- VI. Create filed “def avg Departure Delay”
- VII. Create filed “def avg Arrival Delay”
- VIII. Create filed “def avg Airline Delay”
- IX. Colored Circle present airline company
- X. Size of circle present number of flights by airline

#### Summary finding

1\_ we can found that sky west airline has more performance than Atlantic southeast airline also, they almost have the same number of flight in year 2015

2\_ We can found more if we look over the chart and comparing more company to each other

#### Note:

Airlines shape downloaded from google image by searching for Airlines logo

Awesome job with this section it shows professionalism

**Resources:**

<https://www.lynda.com/Tableau-tutorials/Creating-Interactive-Dashboards-Tableau/417094-2.html>

<https://www.lynda.com/Tableau-tutorials/Tableau-10-Essential-Training/500540-2.html>

<https://www.ryansleeper.com/tableau-tips/>

[https://onlinehelp.tableau.com/current/pro/desktop/en-us/buildexamples\\_maps.htm#MoreResources](https://onlinehelp.tableau.com/current/pro/desktop/en-us/buildexamples_maps.htm#MoreResources)

<https://www.youtube.com/watch?v=gWZtNdMko1k&list=PLWPirh4EWFpGXTBu8ldLZGJC UeTMBpJFK>

<https://www.extendoffice.com/documents/excel/1549-excel-convert-month-name-to-number.html>

<https://community.tableau.com/thread/116587>

<https://public.tableau.com/profile/osmguy#!/vizhome/OddsofGoingProinSports/OddsofGoingProinSports>

<https://www.youtube.com/watch?v=Py1zzI0indo>

<https://www.youtube.com/watch?v=BwIs7L7HGR4>

<https://www.youtube.com/channel/UC-h6H4VVJTkaDG7uBXYUFw>

[https://www.youtube.com/watch?v=aQ\\_D5fjiGnY](https://www.youtube.com/watch?v=aQ_D5fjiGnY)

[https://www.tableau.com/about/blog/2016/1/5-tips-make-your-dashboards-more-performant-48574?\\_\\_src=liftigniter&\\_\\_widget=learn-recs-li&li\\_source=LI&li\\_medium=learn-recs-li](https://www.tableau.com/about/blog/2016/1/5-tips-make-your-dashboards-more-performant-48574?__src=liftigniter&__widget=learn-recs-li&li_source=LI&li_medium=learn-recs-li)

<https://www.tableau.com/learn/whitepapers/tableau-visual-guidebook>

[https://www.tableau.com/learn/whitepapers/which-chart-or-graph-is-right-for-you?\\_\\_src=liftigniter&\\_\\_widget=learn-recs-li&li\\_source=LI&li\\_medium=learn-recs-li](https://www.tableau.com/learn/whitepapers/which-chart-or-graph-is-right-for-you?__src=liftigniter&__widget=learn-recs-li&li_source=LI&li_medium=learn-recs-li)