

# Flights data visualization using Tableau

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**Write-up:** links to my Tableau Public workbooks, published online:

Version1:

[https://public.tableau.com/profile/alena4158#!/vizhome/Project1\\_270/Story1?publish=yes](https://public.tableau.com/profile/alena4158#!/vizhome/Project1_270/Story1?publish=yes)

Version2 (after feedback):

[https://public.tableau.com/profile/alena4158#!/vizhome/Project2\\_164/Story1?publish=yes](https://public.tableau.com/profile/alena4158#!/vizhome/Project2_164/Story1?publish=yes)

**Summary:** The data set contains information on United State flight delays and performance comes from RITA. This data were downloaded as zipped csv file from the Flights link <http://stat-computing.org/dataexpo/2009/the-data.html>. Due to big amount (10 000 rows for each year), I choose to explore only 2008.

The goal of visualization is investigate the performance of flights over time and simply look at data for a given year and create a graphics that showcase findings.

**Design:** First, I try to build simple bar charts choosing more appropriate view. Then I try different type of diagrams, like dual lines and pie chart. I tried hierarchy, calculated fields, change data types, converting into measures. I built a dashboard and then create a story.

After receiving feedback I change my design by using different colors, changing axis and labels, wording of the story.

**Feedback:** Randy J [<https://udacitydatascience.slack.com>]

I thought the charts were clean and easy to grasp. I would recommend altering the wording of the story captions a bit. It's not a major thing but right now it reads like "I did this, and then I did this, and then I did this...", perhaps rewording to summarize a key finding in each visual or the purpose of the visual might be a bit better.

ADITYA, mentor from udacity

Instead of total delay you can use average delay, since that would be a good measure. Because airlines number of trips is not constant.

Try using some soft colors in your second story. Red and yellow colors are too bright and red often indicates a danger. Try some warm colors.

In the first story you can also change the x-label "arr delay", since it is repeated multiple times.

## Resources:

1. [https://onlinehelp.tableau.com/current/pro/desktop/en-us/formatting\\_editaxes\\_range\\_ex1changerange.html](https://onlinehelp.tableau.com/current/pro/desktop/en-us/formatting_editaxes_range_ex1changerange.html)

2. <http://stat-computing.org/dataexpo/2009/carriers.csv>
3. <https://udacitydatascience.slack.com>