

Project 4:

Build Data Dashboard

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Links

1. Which airlines have the worst delays?

<https://public.tableau.com/profile/olga7971#!/vizhome/Whichairlinehavetheworstdelays/Summary?publish=yes>

2. What is the most common reason of delays in Southwest Airlines?

<https://public.tableau.com/profile/olga7971#!/vizhome/WhatisthemostcommonreasonfordelaysinSouthwestAirlines/Reasonfordelay?publish=yes>

3. What is the most common month for flight cancelations?

<https://public.tableau.com/profile/olga7971#!/vizhome/Whatisthemostcommonmonthforflightcancelations/Dashboard1?publish=yes>

1. Which airlines have the worst delays?

In 2015 Southwest airline had 316,320 late aircraft delays, followed by American Airlines and Skywest Airlines which had 135,741 and 135,092 delays respectively. For Southwest Airlines the pick of delays happened during the month of July.

I used blue color for all airlines in order to simplify the recognition of numbers.

2. What causes delays in Southwest Airlines?

The most common reason of delays in Southwest Airlines is Departure Delay (648,419), followed by Late Aircraft Delay (316,320) and Arrival Delay (289,992).

In order to highlight three most common reasons for delays I decided to use orange color and for the rest of variable – blue. Both colors should be readable for people with colorblindness issues.

2. What is the most common month for flight cancelations?

In February there were 1,058 flight cancelations which might be a result of seasonality.

I decided to use blue color with added visual effects for faster perception. Also, I added values (number of cancelled flights) for instant review.

When creating Line for visuals, I found it useful to add Circles with a final answer when adding to the Dashboard.

Resources

- <https://community.tableau.com/thread/151389>
- <https://www.quora.com/What-are-tips-for-creating-great-Tableau-dashboard>
- <http://www.vizwiz.com/p/tips.html>
- <https://www.analyticsvidhya.com/blog/2017/07/data-visualisation-made-easy/>
- <https://www.analyticsvidhya.com/blog/2018/01/tableau-for-intermediate-data-science/>
- <https://www.analyticsvidhya.com/blog/2018/03/tableau-for-advanced-users-easy-expertise-in-data-visualisation/>
- <https://www.kdnuggets.com/2017/06/kmeans-clustering-tableau-call-detail-records.html>
- <https://www.thedataschool.co.uk/emily-chen/tableau-tip-how-to-hack-color-and-shape-legends/>
- https://onlinehelp.tableau.com/current/pro/desktop/en-us/help.htm#dashboards_sheet_selector.html