Create a Tableau Story Final Project

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Contents

Abstract

This document contains the **Summary, Design, Feedback, and Resources** write-ups required by the Udacity Data Analyst Nanodegree as described in the Project Details

Chapter 1

Write-Ups

1.1 Summary

This project investigates cancellations in the year 2008 for airlines in the United States. The data set was combined with geospatial data from Data.gov to show patterns of cancellations on a map of the United States. Further exploration highlights specific airlines that are consistently poor performers in terms of cancellation rate.

 Link to version 1
 Link to version 2

1.2 Design

My first design decision was to incorporate geospatial data in order to better visualize how cancellation rates vary across the United States. In the visualizations I used both Number of Flights and Cancellation Rate to reflect the scale of activity. I believe this choice facilitates quickly identifying both the most active airports and airports/airlines with relatively higher cancellation rates.

One change incorporated from the feedback I received was to remove information that was not contributing to the desired take-away from the visualization. In the case of the maps, this involved limiting the amount of information being shown (limiting the number of carriers). I also translated carrier codes into carrier names for readability.

1.3 Feedback

The feedback I received centered around making the visualizations more concise. On the maps I was asked to zoom in cluttered regions such as the northeast. Also, limiting the visualization to only carriers of interest. For the box-plot the reviewer pointed out that I was showing redundant

information by including color to reflect cancellation rate, which was already clearly reflected by the y-axis. The reviewer also pointed out that carrier codes needed to be changed to actual carrier names.

1.4 Resources

- Data.gov.

- stat-computing.org

- Tableau help