US Domestic Airline Flights Performance

Submitted on February 22, 2022

PROMPT

Title for the application - 2 points

What is expected? Make sure - The dash application has the title as `US Domestic Airline Flights Performance` - The heading is center aligned. *What to submit?* Submit screenshot the dashboard

Title for the application

US Domestic Airline Flights Performance

| **Report Type:** | Select a report type   ▾ |
| **Choose Year:** | Select a year   ▾ |

RUBRIC

Is the dashboard titled "US Domestic Airline Flights Performance" with center alignment?

○　　0 points
Heading not provided and styling not
done

○　　1 point
Custom title and styling (does not
match with the suggested one)

⦿　　**2 points**　　　　　　　　　　YA
Yes

PROMPT

Dashboard dropdown menus - 2 points *What is expected?* Below are the 2 dropdown menus title and options.
Dropdown menu 1 Title: Report type **Options:**

- Yearly airline performance report
- Yearly average flight delay statistics

Dropdown menu 2 Title: Choose Year **Options:** Display from 2005 to 2020

What to submit? Submit screenshot the dashboard

Dashboard dropdown menus

RUBRIC

Is the dashboard containing two dropdown? Does `Report Type` dropdown contain `Yearly airline performance report` and `Yearly average flight delay statistics` as options? Does `Choose Year` dropdown contain year from 2005 to 2020?

    ○   0 points
        No dropdown (or) dropdown options do
        not match with the mentioned one

    ○   1.5 points
        Placeholder has different value but we
        have two dropdown options as
        mentioned

    ◉   **2 points**   `YA`
        Yes

PROMPT

Layout of the dashboard - 2 points *What is expected?* Clean dashboard layout with just title and dashboard dropdown menu. *What to submit?* Take a screenshot of the dashboard before providing any input (before choosing an option from the dropdown menu). This is to check if the layout is clean without any pre-defined charts.

Layout of the dashboard

US Domestic Airline Flights Performance

Report Type:	Select a report type ▾
Choose Year:	Select a year ▾

RUBRIC

1. Is the layout clean with any charts/graphs? 2. Is the report type dropdown having placeholder as `Select a report type`? 3. Is the input year dropdown having placeholder as `Select a year`?

○   0 points
       Layout not clean and dropdown
       placeholder is missing

○   1 point
       Two drop downs with custom titles and
       placeholder but with correct options

◉   **2 points**   `YA`
       Yes

PROMPT

Observe result of report type `Yearly Airline Performance Report`. - 5 points *What is expected?*
Dashboard with 5 charts displayed after choosing the report type and an input year. Row 1 - Treemap -- Row 1, col 1 - Pie chart Row 1, col 2 - USA Map -- Row 2, Col 1 - Bar chart Row 2, Col 2 - Line chart *What to submit?* Submit screenshot the dashboard after choosing the report type as **Yearly Airline Performance Report** and an input year.

Note: You need to drill down into the tree map and capture both the screenshots before and after drill down.

To drill down the Treemap ,click on the airline icons on the treemap and view the maps.
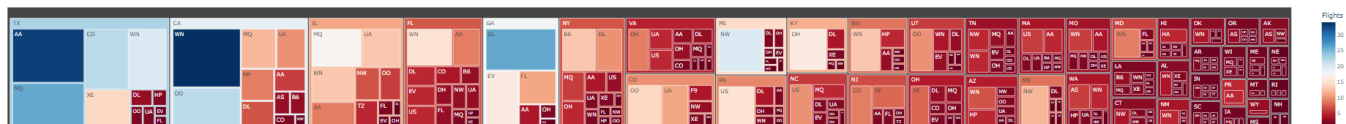
Result of report type `Yearly Airline Performance Report`
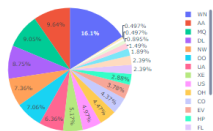
US Domestic Airline Flights Performance

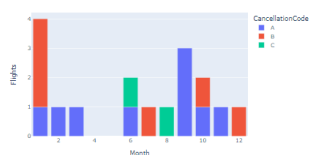Flight count by airline to destination state

% of flights by reporting airline

Number of flights from origin state

Monthly Flight Cancellation

Average monthly flight time (minutes) by airline

RUBRIC

- Can you observe all the 5 graphs ? (3 point) - Drill down into Treemap chart? (1 point) - Can double click and choose one reporting airline? (1 point)

○ 0 points
All graphs not displayed

○ 1 point
Can not drill down into treemap chart
Few graphs are displayed

○ 4 points
All 5 graphs are displayed but not in the specified order

◉ **5 points**   YA
Yes

PROMPT

Observe result of report type `Yearly Airline Delay Report` - 2 points *What is expected?* Dashboard with 5 line charts after choosing report type and year? *What to submit?* Submit screenshot the dashboard after choosing report type as **Yearly Airline Delay Report** and an input year.

Result of report type `Yearly Airline Delay Report`

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| Report Type: | Yearly Airline Delay Report | x ▾ |
| Choose Year: | 2005 | x ▾ |

RUBRIC

Make sure 5 charts are visible.

○ **0 points**
Nothing is visible

○ **1 point**
Any missing charts

◉ **2 points**   [YA]
Yes

PROMPT

Check working of the dropdown menus *What is expected?* Toggle between different report type and year *What to submit?* Submit 4 screenshots in a pdf - Choose report type as `Yearly Airline Performance Report` and year as 2019. - Choose report type as `Yearly Airline Performance Report` and year as 2015 - Choose report type as `Yearly Airline Delay Report` and year as 2019 - Choose report type as `Yearly Airline Delay Report` and year as 2008

Toggle between different report type and year
Toggle between different report type and year
RUBRIC

- Make sure you can spot difference between results. - Make sure you can see respective dropdown menu option. For example, if the result is for `Yearly Airline Performance Report` and year `2019`, make sure report type dropdown has `Yearly Airline Performance Report` and input year dropdown has `2019`. - Make sure you can see all 5 charts.

○ 0 points
Nothing is visible / dropdown not having appropriate option

○ 1 point
Any missing charts or custom input year

● **2 points** YA
Everything is perfect as per the above points