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Data Visualization with Python > Week 5 > Final Assignment

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Item Navigation

PROMPT

Title for the application - 2 points

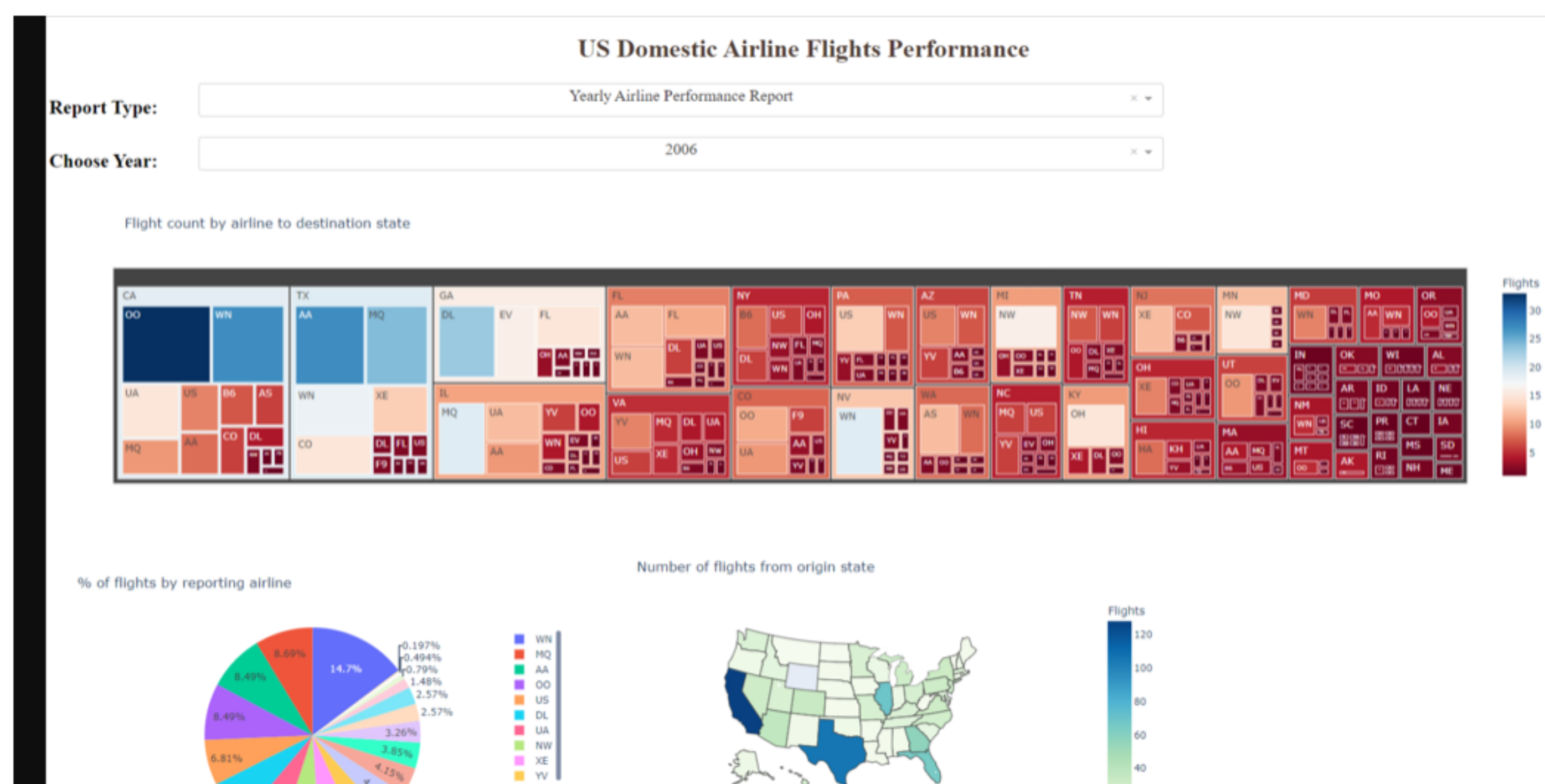
What is expected?

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



RUBRIC

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

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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

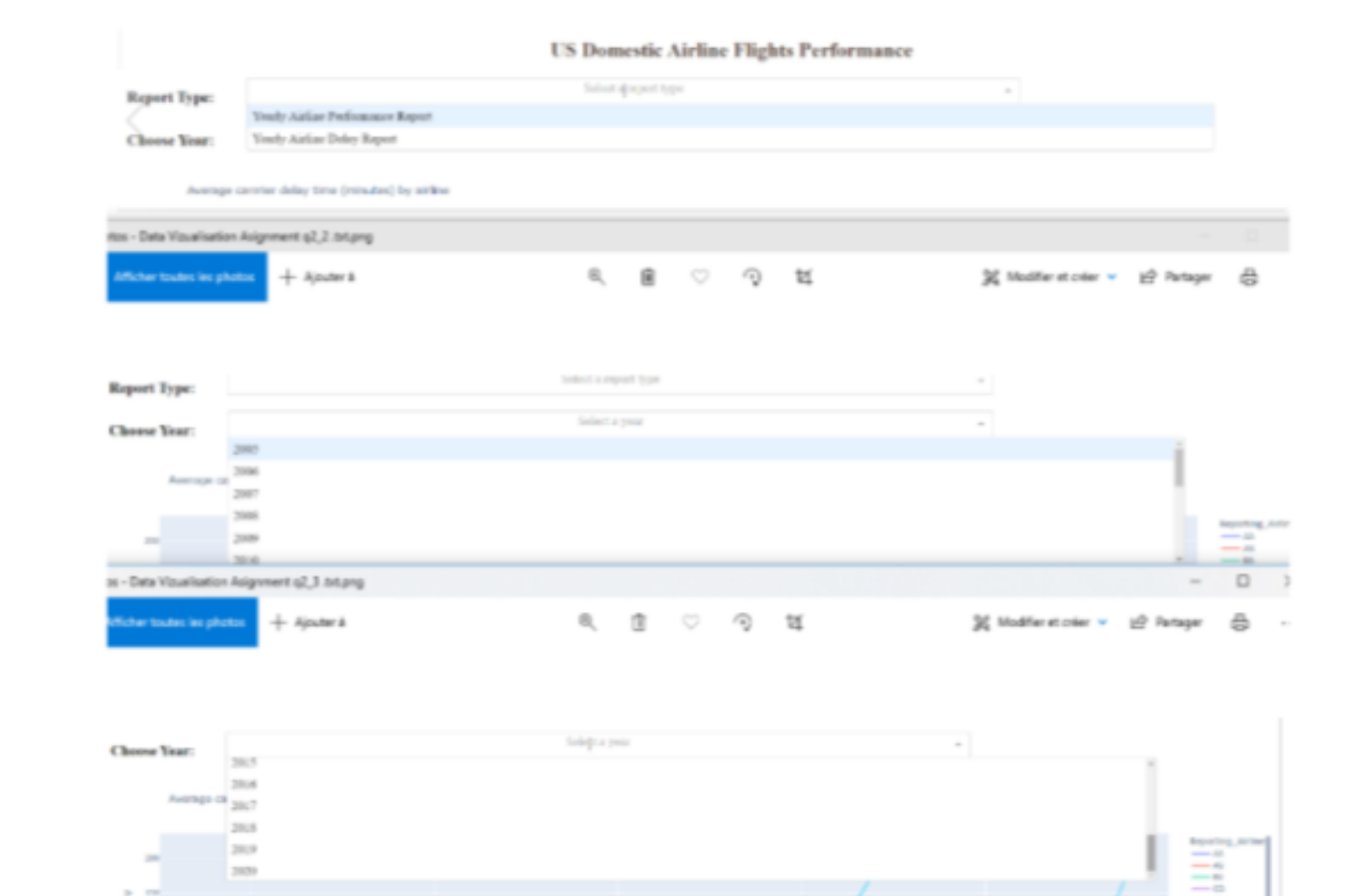
Dropdown menu 2

Title: Choose Year

Options: Display from 2005 to 2020

What to submit?

Submit screenshot the dashboard

**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
Yes

PB



SM

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.



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
PB
- ☐ 1 point
Two drop downs with custom titles and placeholder but with correct options
- ☒ 2 points
Yes
SM

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

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Row 1, col 1 - Pie chart

Row 1, col 2 - USA Map

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Row 2, Col 1 - Bar chart

Row 2, Col 2 - Line chart

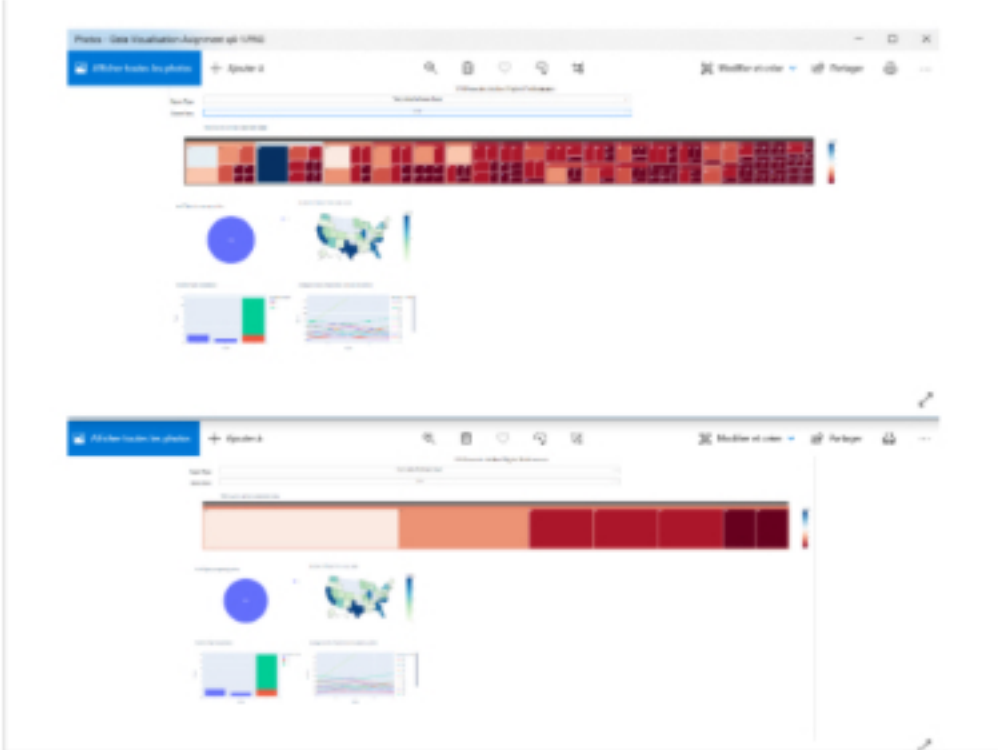
What to submit?

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.**



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

PB

- ☒ 5 points
Yes

SM

PROMPT

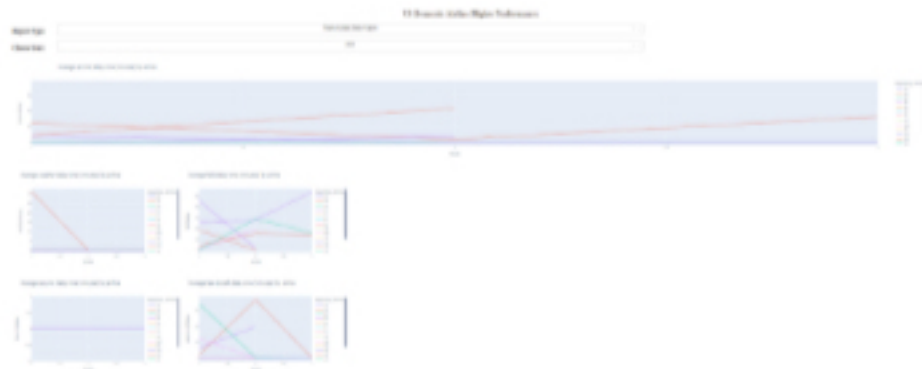
Observe result of report type `Yearly Airline Delay Report` - 2 points

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.



RUBRIC

Make sure 5 charts are visible.

- ☐ 0 points
Nothing is visible
- ☐ 1 point
Any missing charts
- ☒ **2 points**
Yes

PB



SM

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

[Data%20vizualisation_assignment_q7.pdf](#)

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

PB



2 points

Everything is perfect as per the above points



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