

Client Report - [Project 2: Are we missing JSON on our flight?]

Course CSE 250 James Lule

Elevator pitch

paste your elevator pitch here

GRAND QUESTION 1

Which airport has the worst delays? How did you choose to define “worst”? As part of your answer include a table that lists the total number of flights, total number of delayed flights, proportion of delayed flights, and average delay time in hours, for each airport.

TECHNICAL DETAILS

ORD has the worst delays

```
#paste chart code in this snippet box
delay_security = flights.num_of_delays_security
print(delay_security)
#%%
delay_carrier = flights.num_of_delays_carrier
print(delay_carrier)
#%%
delay_craft = flights.num_of_delays_late_aircraft
print(delay_craft)

delay = flights.groupby(['airport_code',]).sum().reset_index()
delay['Total_Delays'] = delay.minutes_delayed_total.div(delay.num_of_delays_total)
```

insert your chart png here

```
#paste your table code in this snippet box
```

GRAND QUESTION 2

What is the worst month to fly if you want to avoid delays? Include one chart to help support your answer, with the x-axis ordered by month. You also need to explain and justify how you chose to handle the missing Month data. *type your results and analysis here*

TECHNICAL DETAILS

```
delays = flights.groupby(['month']).sum().reset_index()
print(delays)

chart = alt.Chart(delays).mark_circle(size=60).encode(
    x='month',
    y='num_of_delays_total',
)

chart
chart.save("project2chart.png")
```

#paste your table code in this snippet box

GRAND QUESTION 3

COPY PASTE GRAND QUESTION 3Â FROM THE PROJECT HERE

type your results and analysis here

TECHNICAL DETAILS

#paste chart code in this snippet box

insert your chart png here

#paste your table code in this snippet box

replace the table below with your table

animal	
0	elk
1	pig
2	dog
3	quetzal

GRAND QUESTION 4

COPY PASTE GRAND QUESTION 4 FROM THE PROJECT HERE

type your results and analysis here

TECHNICAL DETAILS

#paste chart code in this snippet box

insert your chart png here

#paste your table code in this snippet box

replace the table below with your table

animal	
0	elk
1	pig
2	dog
3	quetzal

GRAND QUESTION 5

COPY PASTE GRAND QUESTION 5 FROM THE PROJECT HERE

type your results and analysis here

TECHNICAL DETAILS

#paste chart code in this snippet box

insert your chart png here

#paste your table code in this snippet box

replace the table below with your table

animal	
0	elk
1	pig
2	dog
3	quetzal

APPENDIX A (PYTHON CODE)

```
#paste all your code from your python file (.py) here
```