Client Report - Project 0

Course CSE 250

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Elevator pitch

paste your elevator pitch here

GRAND QUESTION 1

Create a python script and use VS Code to create the example Altair chart in the assigned readings

(note that you have to type chart to see the Altair chart after you run the code). Save your Altair chart for submission.

While doing the project I had a problem with installation and saving the chart.I was able to get help from the
tutors and i eventually finished the rest

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chart = (alt.Chart(mpg)
.encode(
x='displ',
y='hwy')
.mark_circle()
)

```
#paste chart code in this snippet box
```

insert your chart png here

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

manufacturer	model	year	hwy

manufacturer	model	year	hwy
audi	a4	1999	29
audi	a4	1999	29
audi	a4	2008	31
audi	a4	2008	30
audi	a4	1999	26

GRAND QUESTION 2

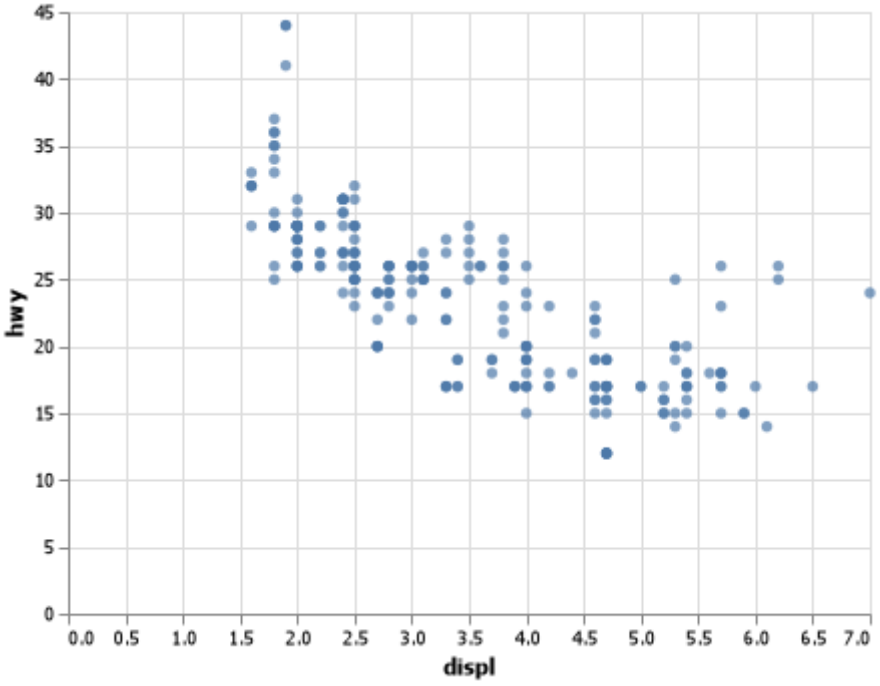
COPY PASTE GRAND QUESTION 2 FROM THE PROJECT HERE

type your results and analysis here

TECHNICAL DETAILS

```
#paste chart code in this snippet box
```

insert your chart png here



```
#%%
import pandas as pd
import numpy as np
import altair as alt
#%%

link = "https://raw.githubusercontent.com/byuidatascience/data4python4ds/master/data-raw/mpg/mpg
mpg = pd.read_csv(link)


# %%
print(mpg
    .head(5)
    .filter(["manufacturer", "model","year", "hwy"])
    .to_markdown(index=False))

# %%

chart = (alt.Chart(mpg)
  .encode(
    x='displ',
    y='hwy')
  .mark_circle()
)

chart.save("altair_viz_1.png")


# %%
```