In [1]:
```
import pandas as pd
```

In [2]:
```
from matplotlib import pyplot as plt
```

In [3]:
```
sample_data = pd.read_csv('2020-XTern-DS.csv')
```

In [4]:
```
sample_data
```

Out[4]:

	Restaurant	Latitude	Longitude	Cuisines	Average_Cost	Minimum_Order	Rating	Vote
0	ID_6321	39.262605	-85.837372	Fast Food, Rolls, Burger, Salad, Wraps	$20.00	$50.00	3.5	1
1	ID_2882	39.775933	-85.740581	Ice Cream, Desserts	$10.00	$50.00	3.5	1
2	ID_1595	39.253436	-85.123779	Italian, Street Food, Fast Food	$15.00	$50.00	3.6	9
3	ID_5929	39.029841	-85.332050	Mughlai, North Indian, Chinese	$25.00	$99.00	3.7	17
4	ID_6123	39.882284	-85.517407	Cafe, Beverages	$20.00	$99.00	3.2	52
...	...	...	...	...	...	...	...	.
2014	ID_4366	39.624978	-85.189212	North Indian, Pizza, Burger, Continental	$40.00	$0.00	-	

	Restaurant	Latitude	Longitude	Cuisines	Average_Cost	Minimum_Order	Rating	Vote
2015	ID_319	39.133719	-85.503020	Awadhi, Bihari	$40.00	$99.00	4.1	11
2016	ID_3104	39.662987	-85.950894	Fast Food, Beverages	$10.00	$50.00	NEW	
2017	ID_4396	39.301765	-85.662768	Kebab, Fast Food	$10.00	$50.00	-	
2018	ID_8403	39.460944	-85.484355	Desserts, Beverages	$150.00	$50.00	4.1	27

2019 rows × 10 columns

In [5]:
```
# Compare the cost and rating
```

In [6]:
```
sample_data.Average_Cost
```

Out[6]:
```
0        $20.00
1        $10.00
2        $15.00
3        $25.00
4        $20.00
         ...
2014     $40.00
2015     $40.00
2016     $10.00
2017     $10.00
2018    $150.00
Name: Average_Cost, Length: 2019, dtype: object
```

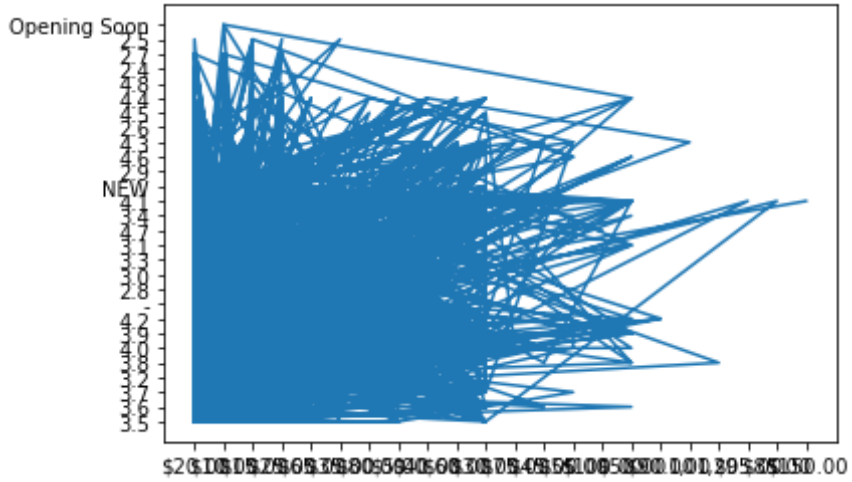
In [7]:
```
sample_data.Rating
```

Out[7]:
```
0       3.5
1       3.5
2       3.6
3       3.7
4       3.2
```

```
        ...
2014      -
2015    4.1
2016    NEW
2017      -
2018    4.1
Name: Rating, Length: 2019, dtype: object
```

In [8]:
```
plt.plot(sample_data.Average_Cost, sample_data.Rating)
plt.show
```

Out[8]:
```
<function matplotlib.pyplot.show(*args, **kw)>
```



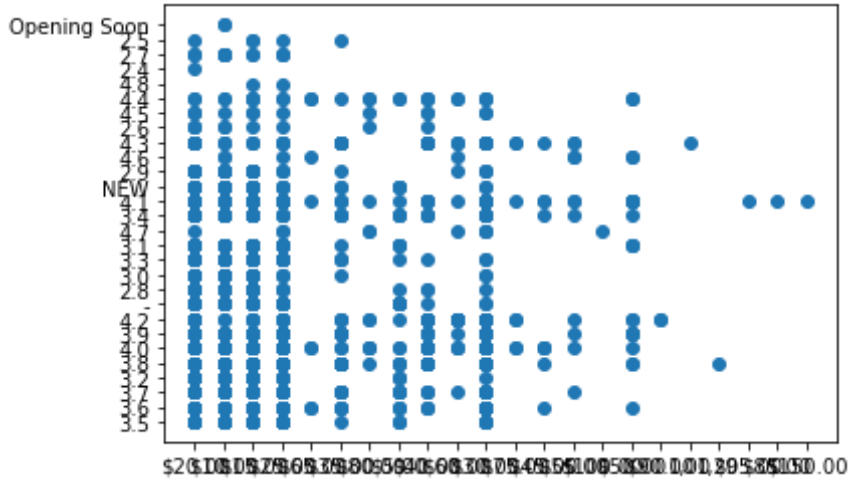
In [9]:
```
import plotly.express as px
```

```
---------------------------------------------------------------------
----
ModuleNotFoundError                       Traceback (most recent call l
ast)
<ipython-input-9-86e89bd44552> in <module>
----> 1 import plotly.express as px

ModuleNotFoundError: No module named 'plotly'
```

In [10]:
```
plt.scatter(sample_data.Average_Cost, sample_data.Rating)
plt.show
```

Out[10]:
```
<function matplotlib.pyplot.show(*args, **kw)>
```

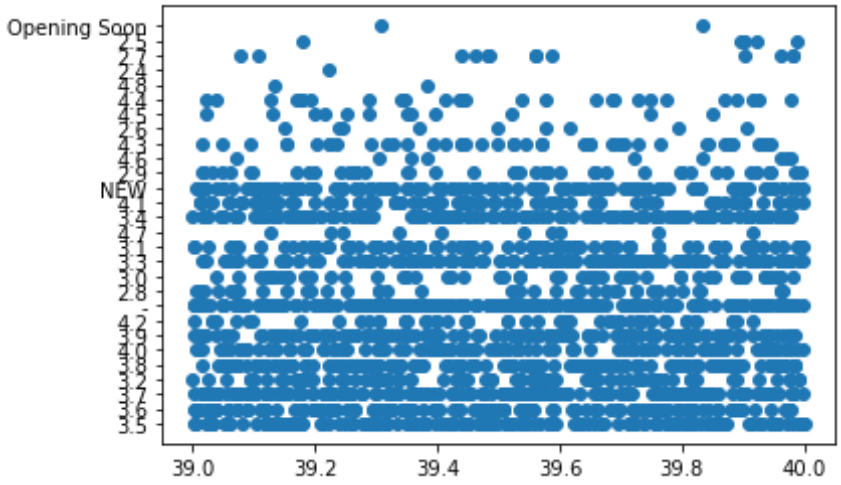


In [24]:
```
#compare the reviews of chinese and fast food
```

In [17]:
```
#comapre latitude and rating
```

In [18]:
```
plt.scatter(sample_data.Latitude, sample_data.Rating)
plt.show
```

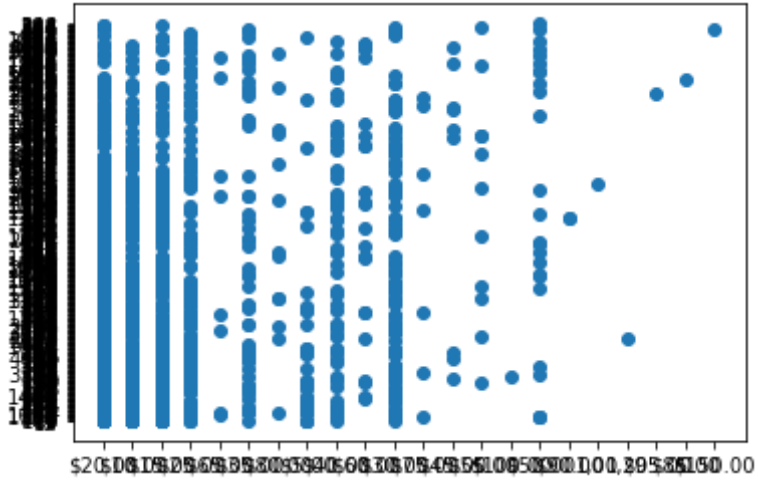
Out[18]:
```
<function matplotlib.pyplot.show(*args, **kw)>
```



In [19]:
```
#compare average cost and votes
```

In [20]:
```
plt.scatter(sample_data.Average_Cost, sample_data.Votes)
plt.show
```

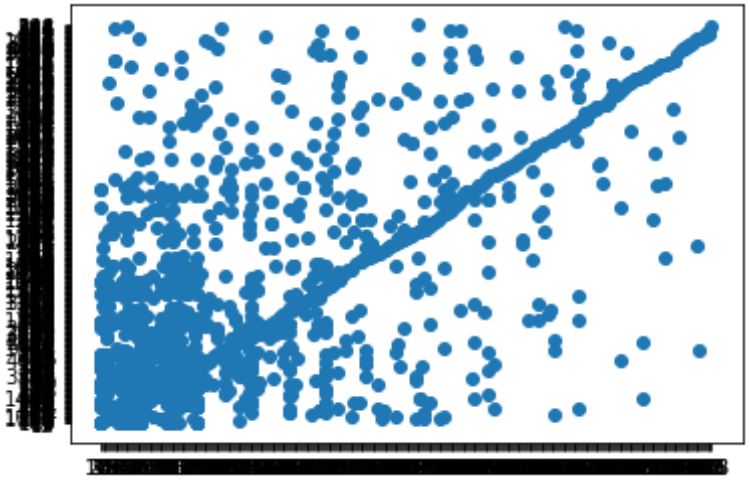
Out[20]:
```
<function matplotlib.pyplot.show(*args, **kw)>
```



In [21]:
```
# compare reviews and votes
```

In [22]:
```
plt.scatter(sample_data.Reviews, sample_data.Votes)
plt.show
```

Out[22]:
```
<function matplotlib.pyplot.show(*args, **kw)>
```



In [ ]:
```

```