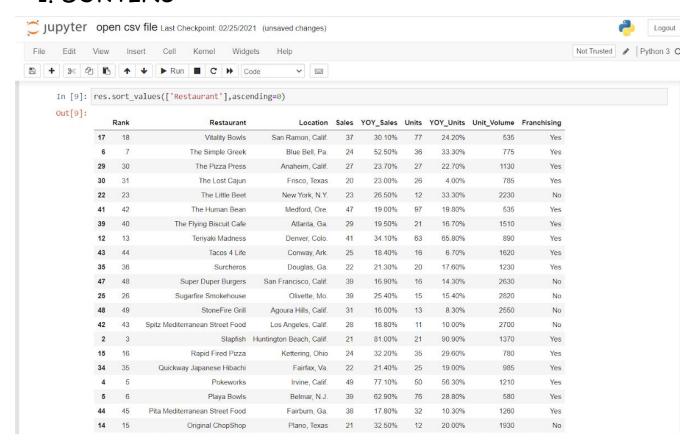
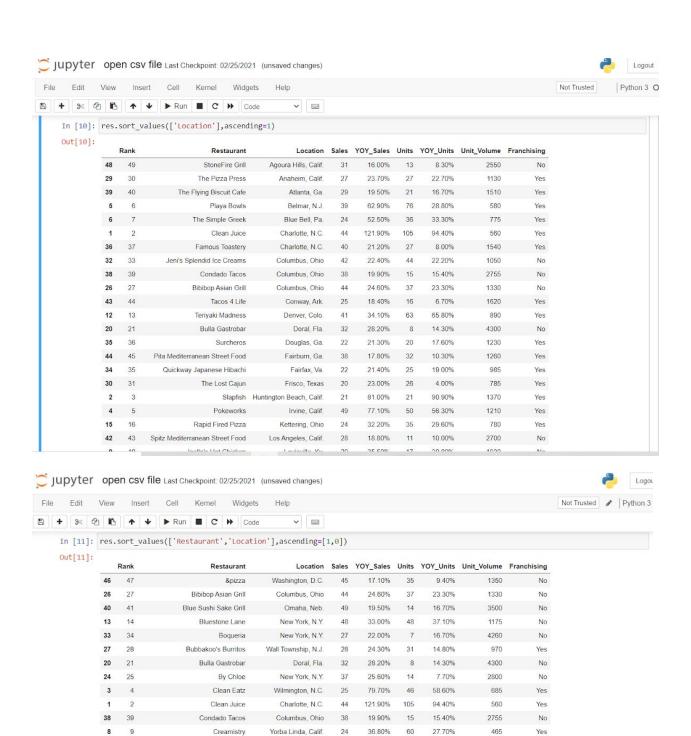
#### DATA SCIENCE LAB-2

# K.SASI KIRAN MCA(R) 2019202049

#### 1. SORTING





37 38

11

28 29

21 22

10

0

36 37

11

Culinary Dropout

Dos Toros Taqueria

Dog Haus

Duck Donuts

Eggs Up Grill

Famous Toastery

50 Gus's World Famous Fried Chicken

Evergreens

Scottsdale, Ariz.

Pasadena, Calif.

Mechanicsburg, Pa.

Spartanburg, S.C.

Seattle, Wash.

Charlotte, N.C.

Memphis, Tenn.

Orlando, Fla.

New York, N.Y.

20.80%

34 50%

24 00%

28.00%

35.40%

130.50%

21.20%

14.40%

30.00%

22

90

41

26

27

28

28

44

30

24

40

44

16.70%

42 90%

10.00%

16.90%

36.70%

116.70%

8.00%

7.70%

40.00%

3120

1200

1375

530

860

1150

1540

1600

No

Yes

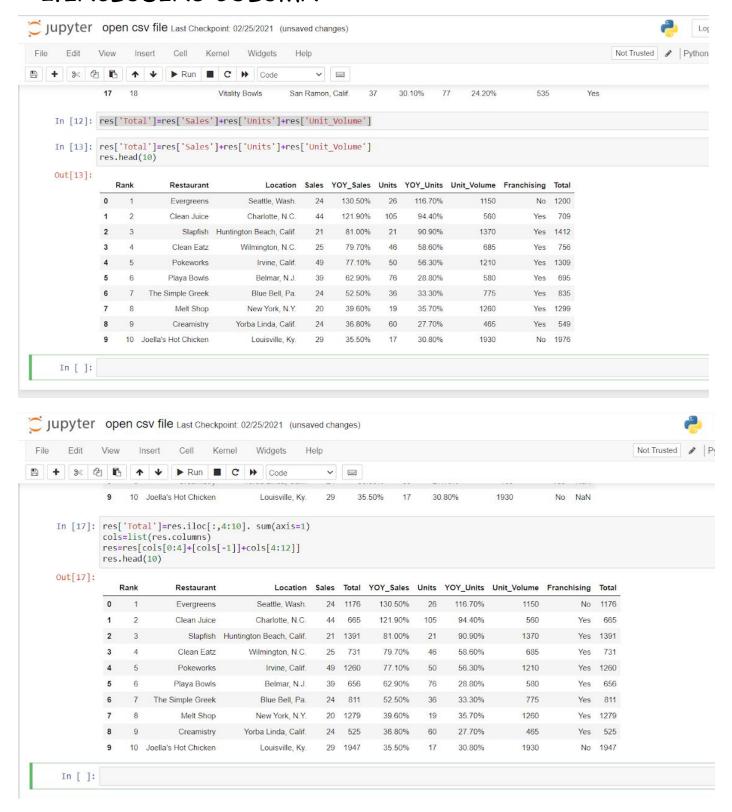
Yes

No

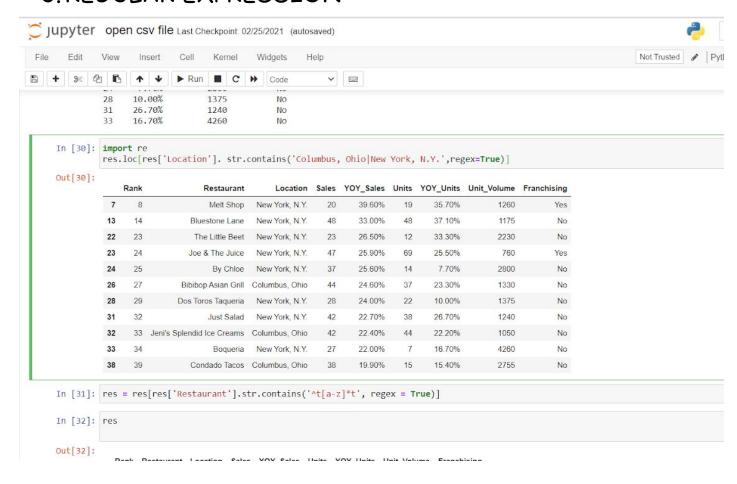
Yes

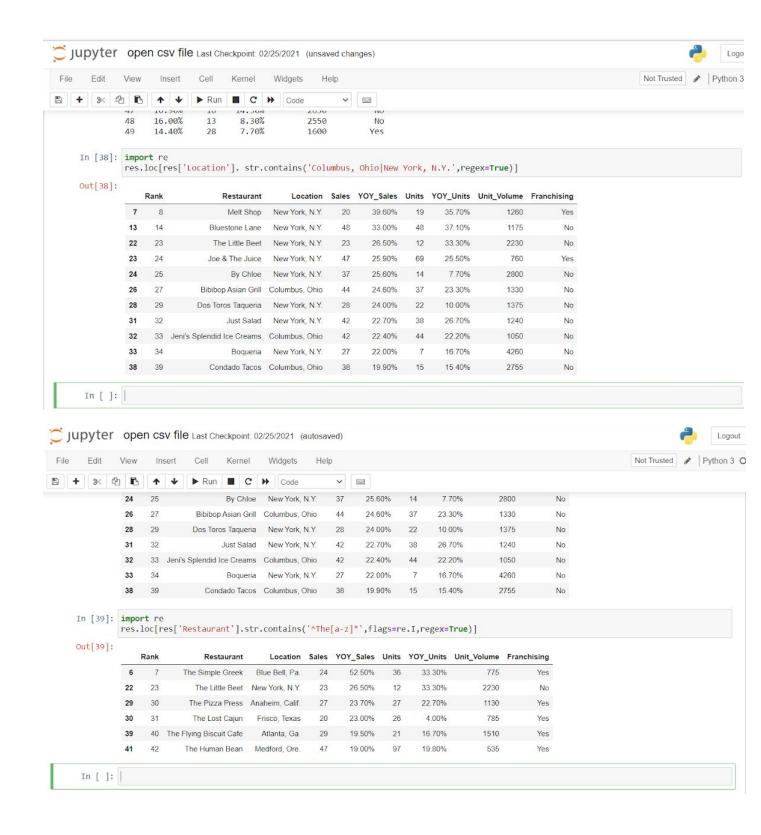
Yes

#### 2. INCLUDING COLUMN



### 3. REGULAR EXPRESSION





#### 4. DROPPING

4 5

6

6

7

8 9

Pokeworks

Playa Bowls

Melt Shop

Creamistry

The Simple Greek

Irvine, Calif.

Belmar, N.J.

Blue Bell, Pa.

New York, N.Y.

Yorba Linda, Calif.

49

24

24

77.10%

62.90%

52.50%

39.60%

36.80%

50

36

60

56.30%

28.80%

33.30%

35.70%

27.70%

1210

580

775

1260

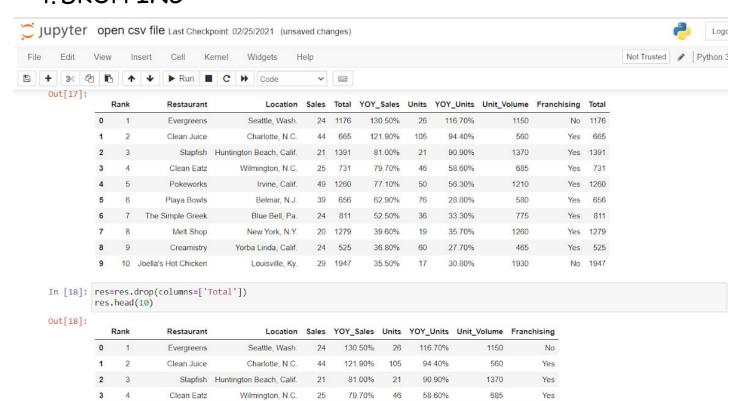
465

Yes

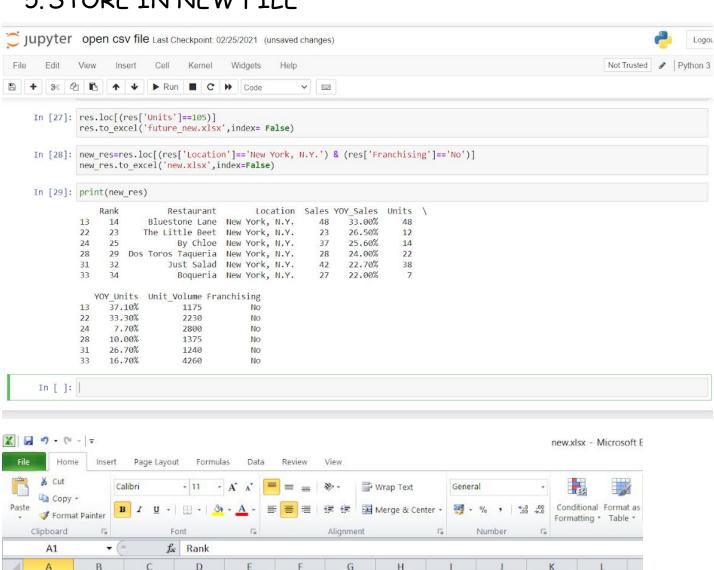
Yes

Yes

Yes



# 5. STORE IN NEW FILE



Paste	Copy -		Calibri - 11 -		A A		※・ ■ Wrap Text 雲 雲 ■ Merge & Cent		General		.00 .00 .00	Conditional Format as			
Format Painter     Clipboard □			Font 5			Alignment %				Number ⊑			Formatting * Table *		
	A1	<b>-</b> (	$f_{x}$	Rank											
4	А	В	С	D	E	F	G	Н	1	J		K	L		
1	Rank	Restaurant	Location	Sales	YOY_Sales	Units	YOY_Units	nit_Volum	ranchising						
2	14	Bluestone	New York,	48	33.00%	48	37.10%	1175	No						
3	23	The Little I	New York,	23	26.50%	12	33.30%	2230	No						
4	25	By Chloe	New York,	37	25.60%	14	7.70%	2800	No						
5	29	Dos Toros	New York,	28	24.00%	22	10.00%	1375	No						
6	32	Just Salad	New York,	42	22.70%	38	26.70%	1240	No						
7	34	Boqueria	New York,	27	22.00%	7	16.70%	4260	No						
8															
9															
10															
11															

# 6. VISUALIZATION OF DATA

```
In [51]: g=sn.pairplot(data,hue="class")
           NameError
                                                            Traceback (most recent call last)
           <ipython-input-51-2d103d94d620> in <module>
           ----> 1 g=sn.pairplot(data, hue="class")
           NameError: name 'data' is not defined
In [52]: sn.heatmap(iris.corr(),cmap="YlGnBu",linecolor='white',linewidths=1,annot=True)
Out[52]: <AxesSubplot:>
                                                                    1.0
                                              0.87
                                                         0.82
                                    -0.12
            sepal length
                                                                    0.8
                                                                    0.6
                          -0.12
                                              -0.43
                                                        -0.37
             sepal_width
                                                                    0.4
                                                                    - 0.2
                          0.87
                                    -0.43
                                                         0.96
            petal_length
                                                                    - 0.0
                                                                   --0.2
                          0.82
                                    -0.37
                                              0.96
                                                          1
             petal_width
                                                                   --0.4
                       sepal_length sepal_width petal_length petal_width
```

