

TASK-1

1.DESRIPTIVE ANALYSIS FOR NUMERICAL COLUMNS

```
----- RESTART: C:\python\SPRINTS\JOBSTIM
Mean_volume          5.066667
Median_volume        4.000000
Mode volume          3.000000
standard deviation of voume  4.231602
Name: Volume, dtype: float64
Mean avg price        10453.433333
Median avg price      1450.000000
Mode avg price        400.000000
standard deviation of avg price  18079.904840
Name: Avg Price, dtype: float64
Mean total sales      33812.835556
Median total sales    5700.000000
Mode total sales      24300.000000
standard deviation of total sales  50535.074173
Name: Total Sales Value, dtype: float64
Mean of discount rate  15.155242
Median discount rate   16.577766
Mode discount rate     5.007822
standard deviation of discount rate  4.220602
Name: Discount Rate (%), dtype: float64
Mean discount amount   3346.499424
Median discount amount  988.933733
Mode discount amount    69.177942
standard deviation of discount amount  4509.902963
Name: Discount Amount, dtype: float64
Mean net sales value   30466.336131
Median net sales value  4677.788059
Mode net sales value    326.974801
standard deviation of sales_value  46358.656624
Name: Net Sales Value, dtype: float64
|
```

DATA VISULATION

HISTOGRAM

Figure 1

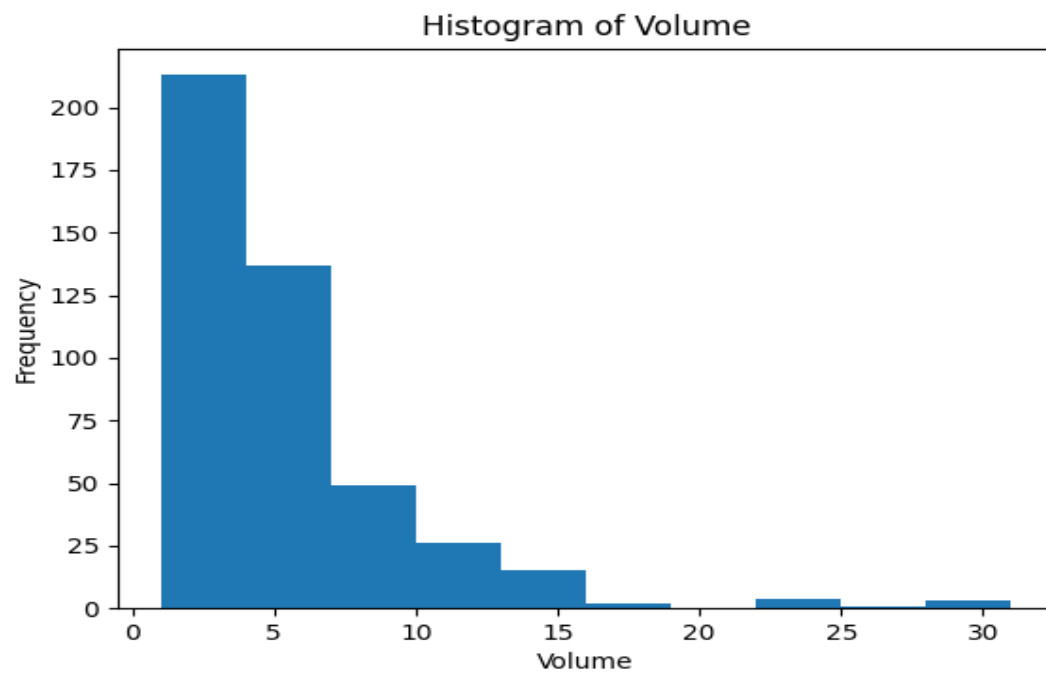
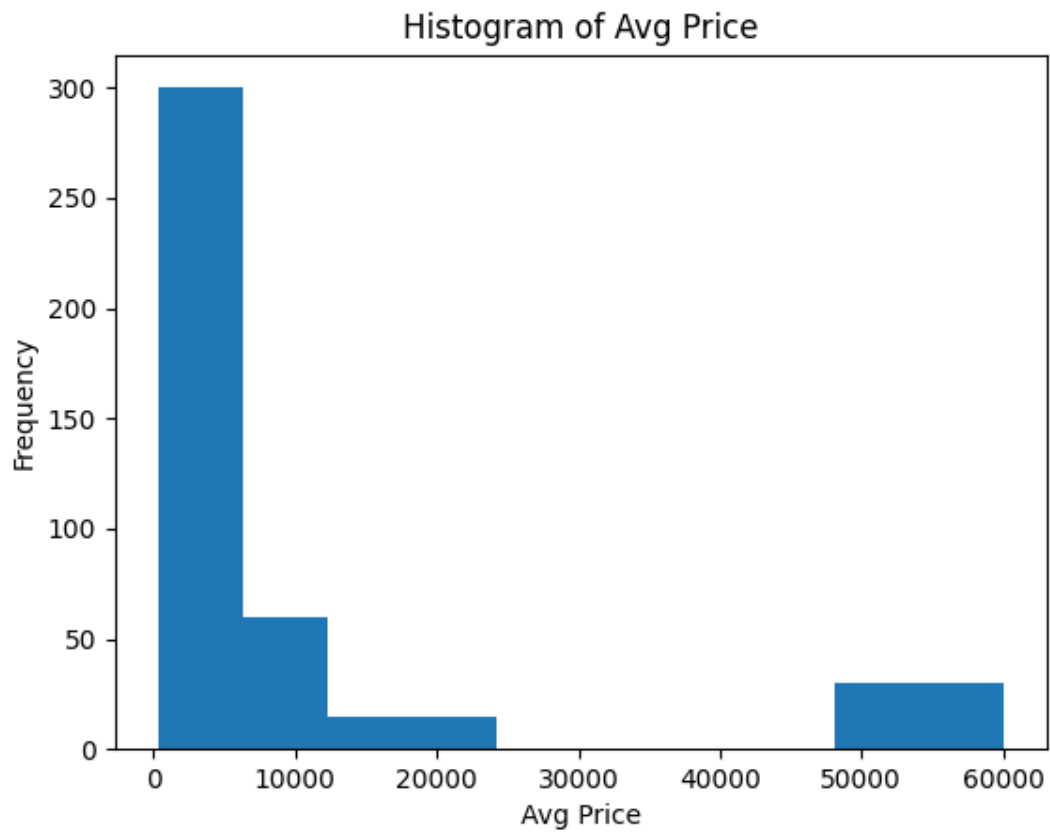


Figure 1



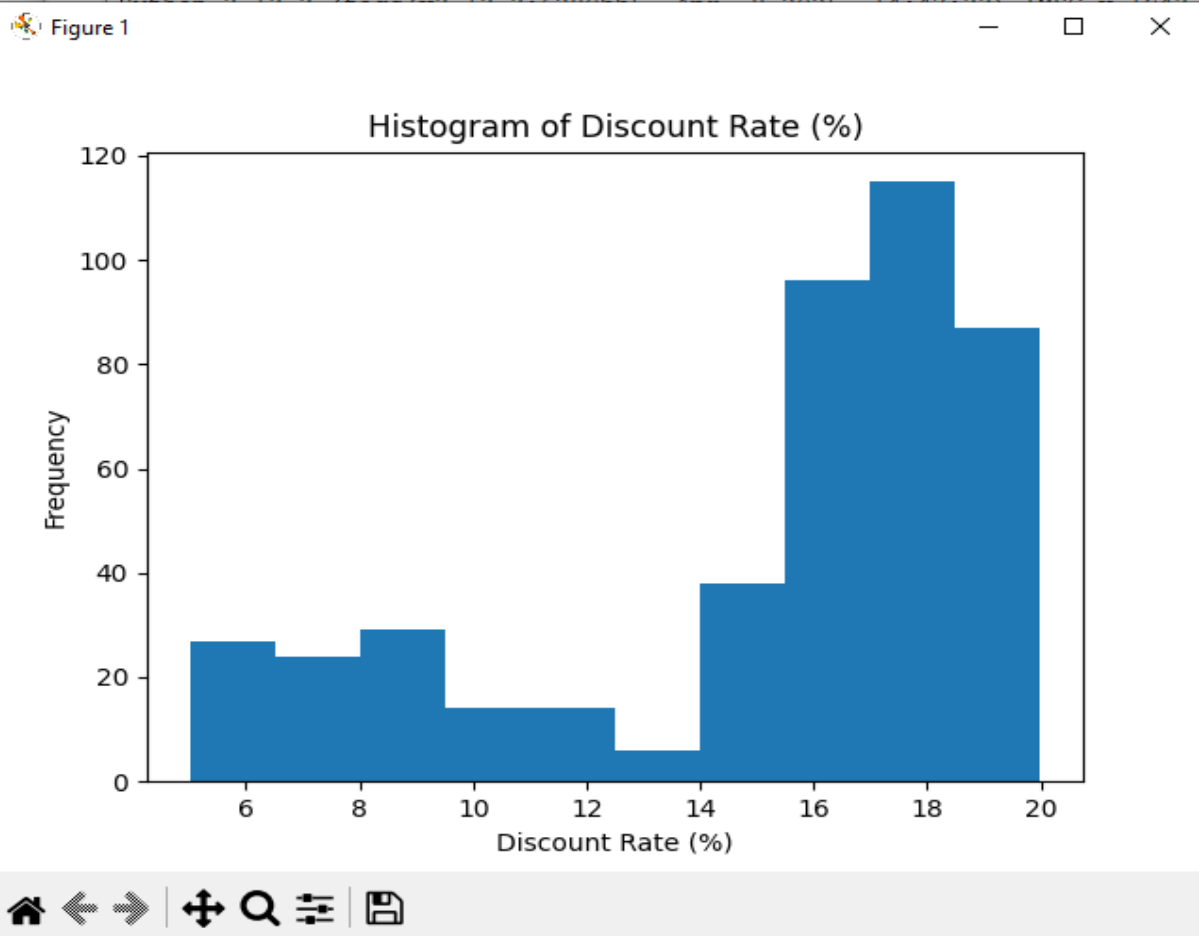
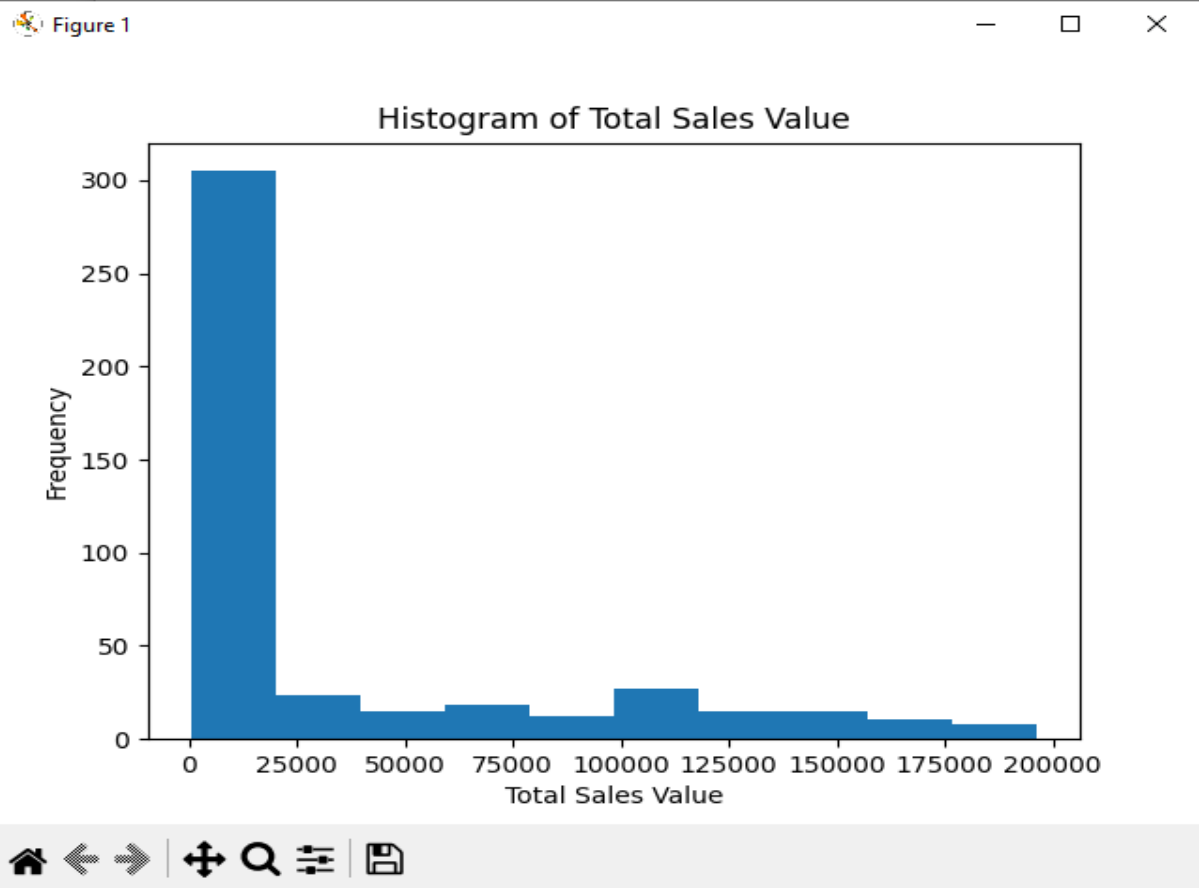
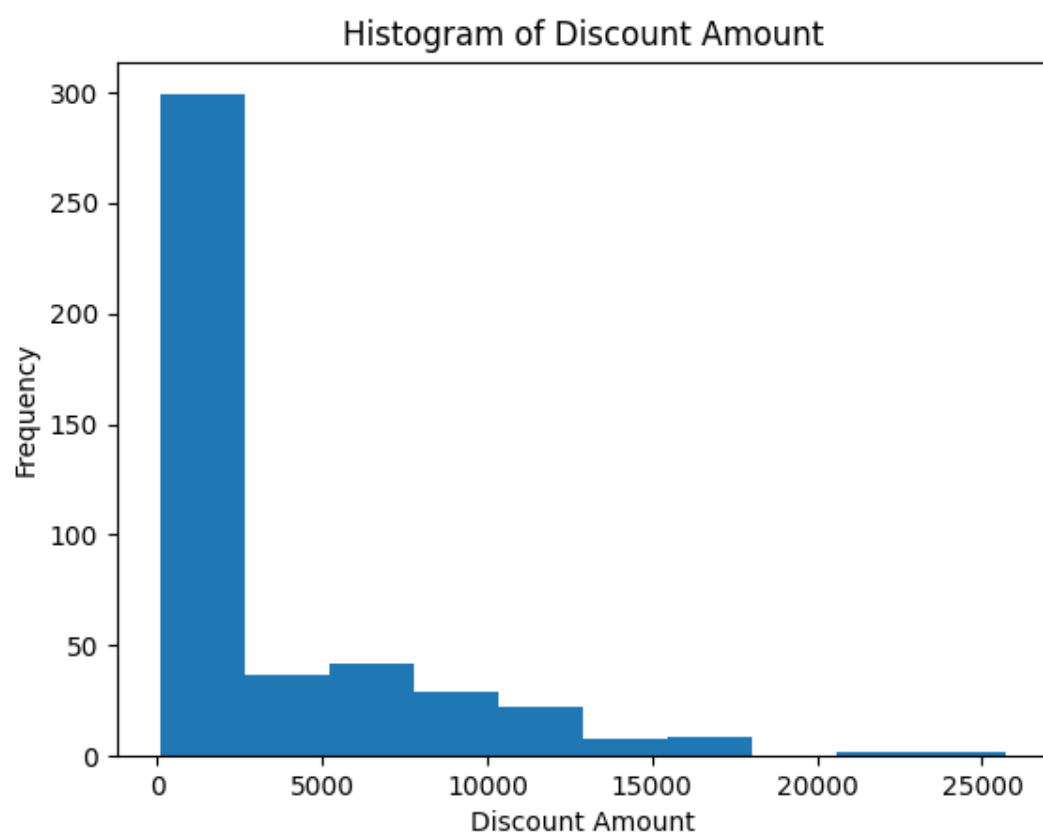
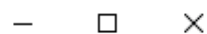
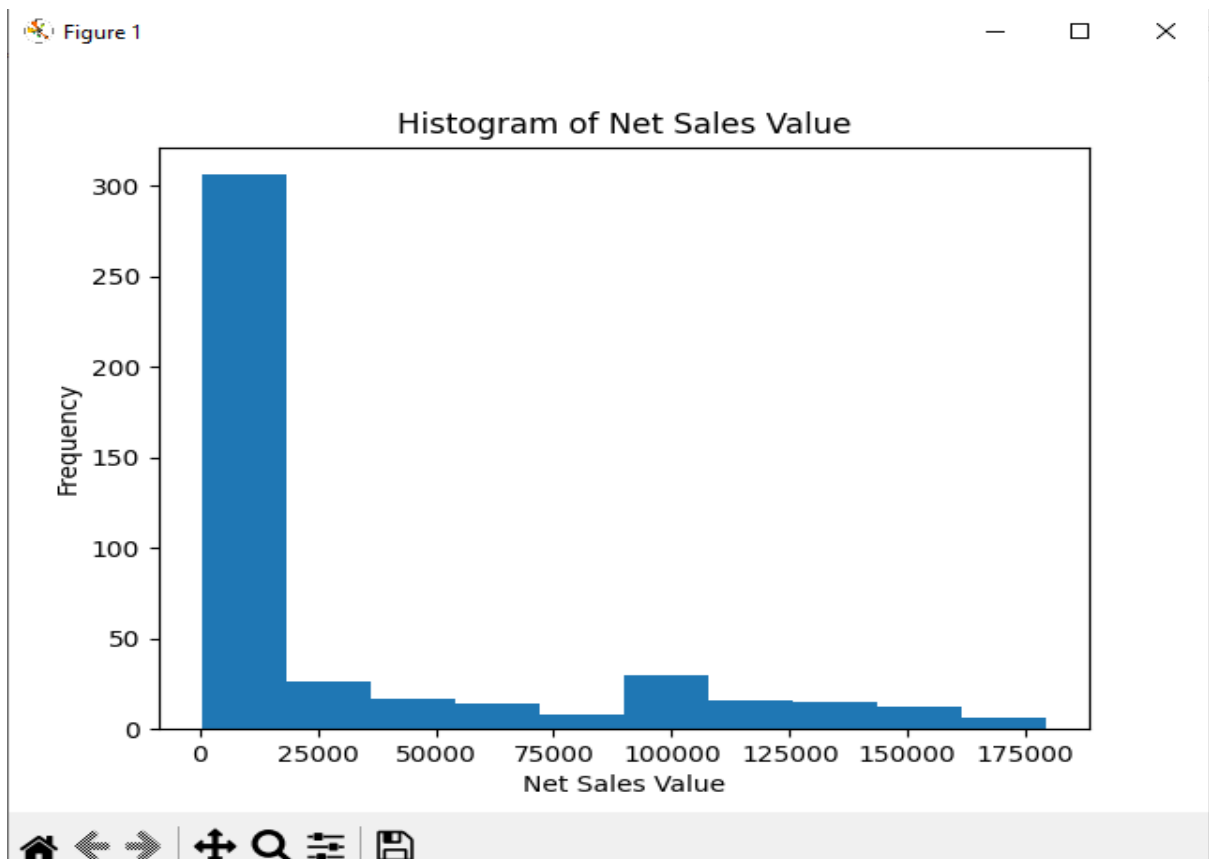


Figure 1





BOX PLOT

number of values: 450

number of outliers:

	Date	Day	...	Discount Amount	Net Sales Value
40	2021-04-02	Friday	...	2283.816576	9316.183424
70	2021-04-03	Saturday	...	1636.828489	7963.171511
100	2021-04-04	Sunday	...	1793.227484	8206.772516
190	2021-04-07	Wednesday	...	1600.081938	7199.918062
250	2021-04-09	Friday	...	2155.607868	10244.392132
260	2021-04-09	Friday	...	1378.138849	5821.861151
280	2021-04-10	Saturday	...	1858.433334	7741.566666
310	2021-04-11	Sunday	...	1600.588711	7199.411289
400	2021-04-14	Wednesday	...	1744.927347	9855.072653
431	2021-04-15	Thursday	...	1018.232342	4081.767658

[10 rows x 13 columns]

number of values: 450

number of outliers:

Squeezed text (63 lines).

number of values: 450

number of outliers:

Empty DataFrame

Columns: [Date, Day, SKU, City, Volume, BU, Brand, Model, Avg Price, Total Sales Value, Discount Rate (%), Discount Amount, Net Sales Value]

Index: []

number of values: 450

number of outliers:

Empty DataFrame

Columns: [Date, Day, SKU, City, Volume, BU, Brand, Model, Avg Price, Total Sales Value, Discount Rate (%), Discount Amount, Net Sales Value]

Index: []

number of values: 450

number of outliers:

	Date	Day	...	Discount Amount	Net Sales Value
0	2021-04-01	Thursday	...	21153.498820	160346.501180
210	2021-04-08	Thursday	...	25328.224204	144071.775796
240	2021-04-09	Friday	...	25738.022194	155761.977806
300	2021-04-11	Sunday	...	21496.675367	123703.324633

Figure 1

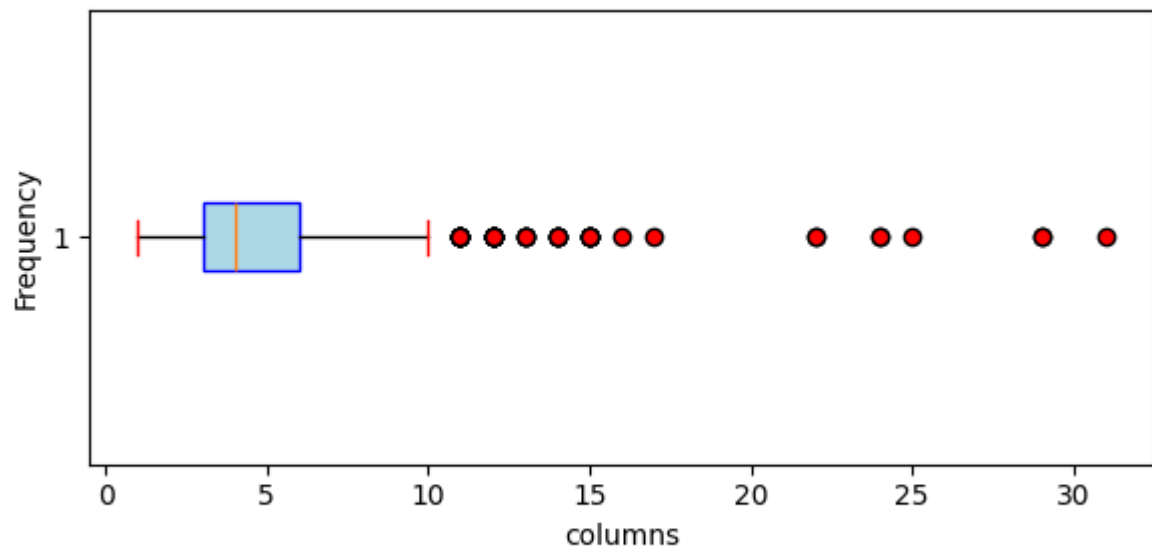


Figure 1

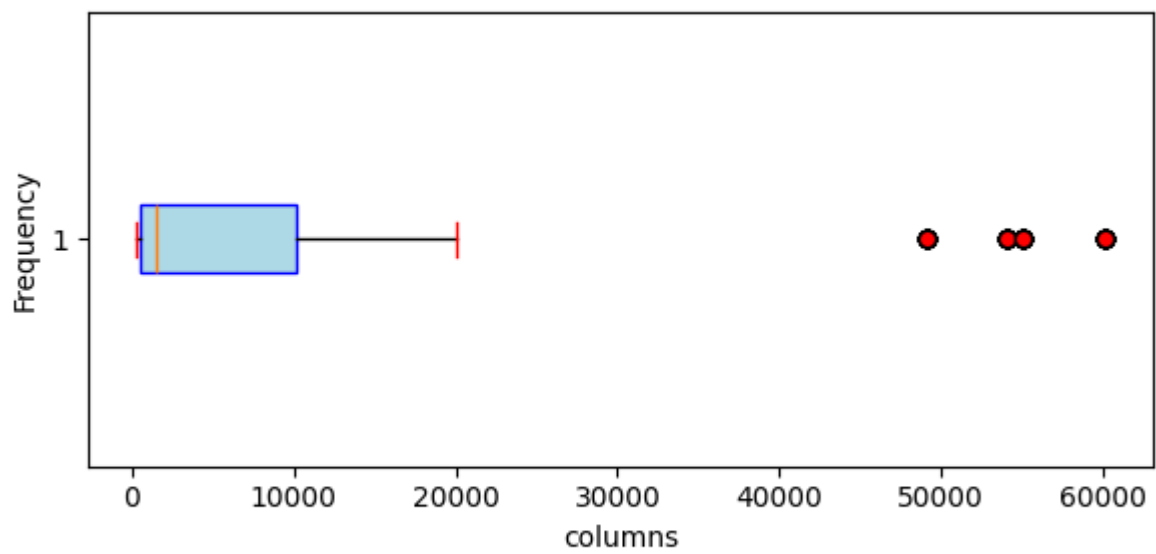


Figure 1

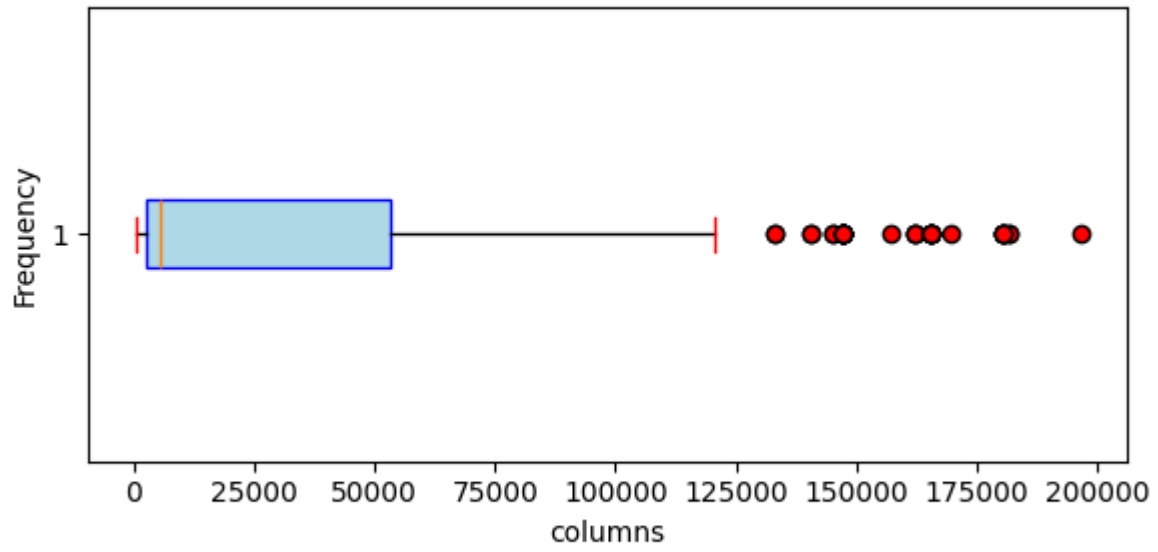
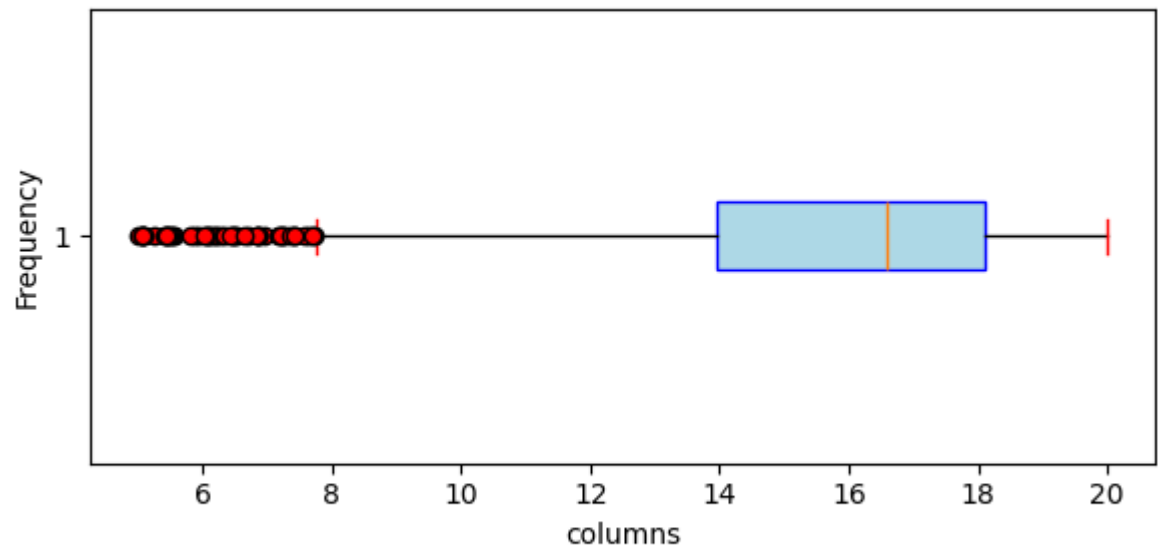
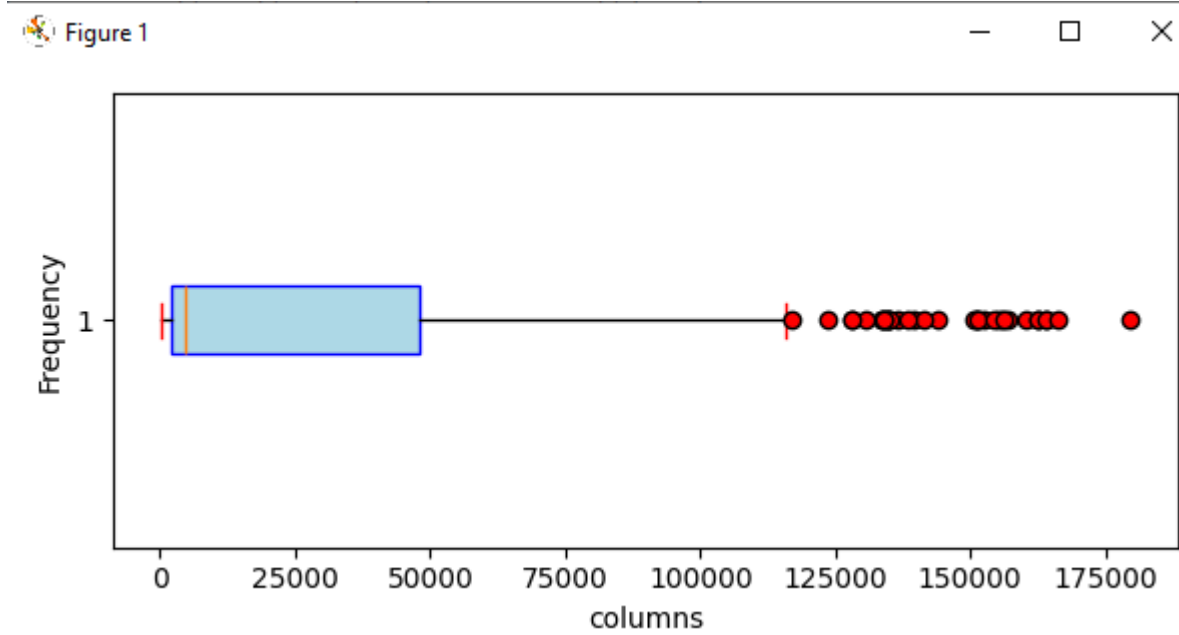
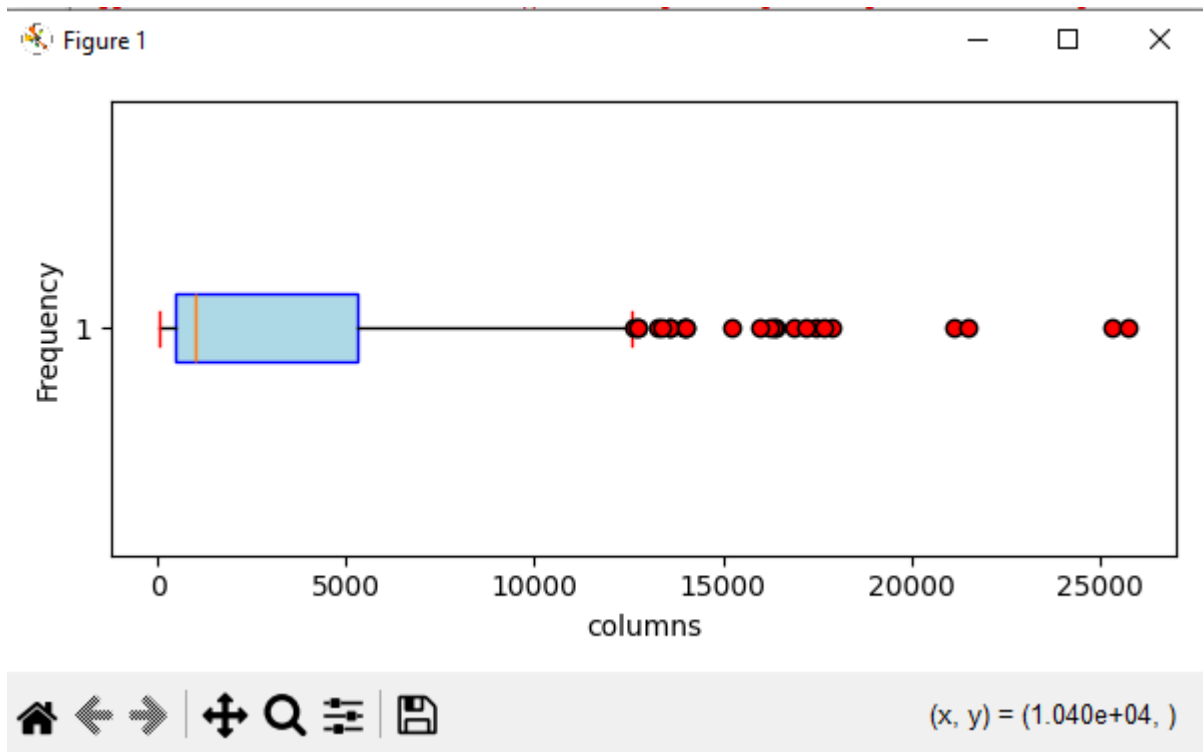


Figure 1

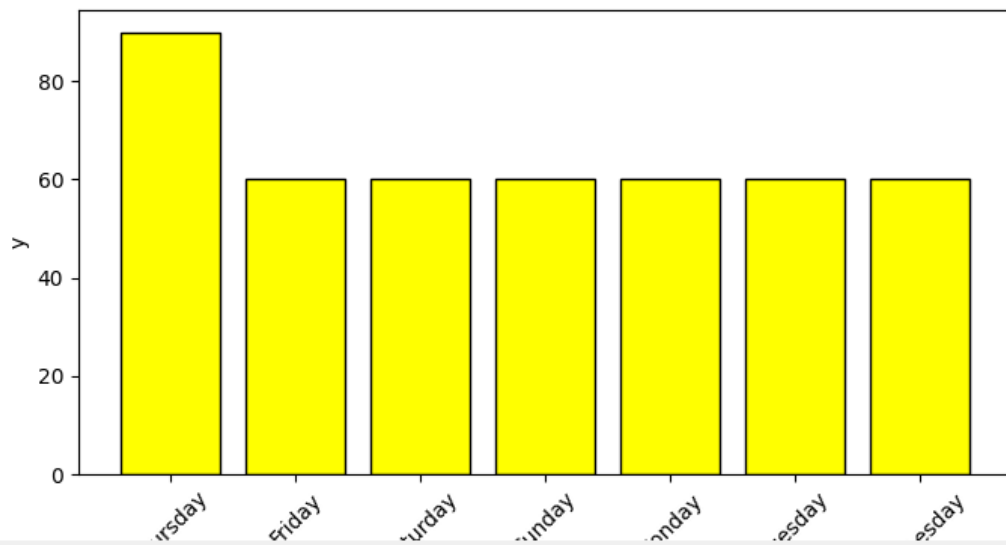




BAR CHART

BAR CHAR OF COLUMN DAY

Figure 1

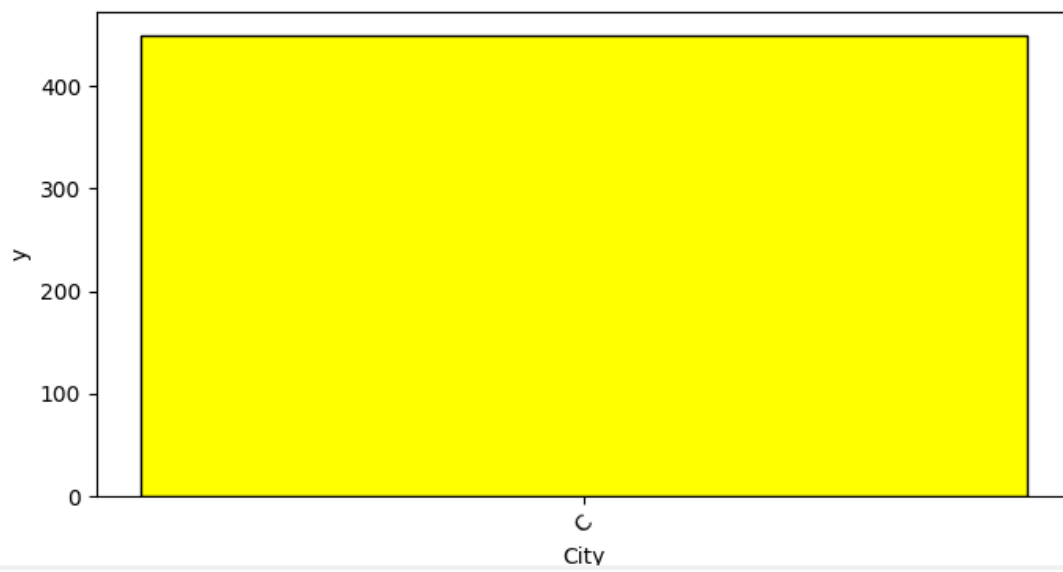


BARCHART OF COLUMN SKU

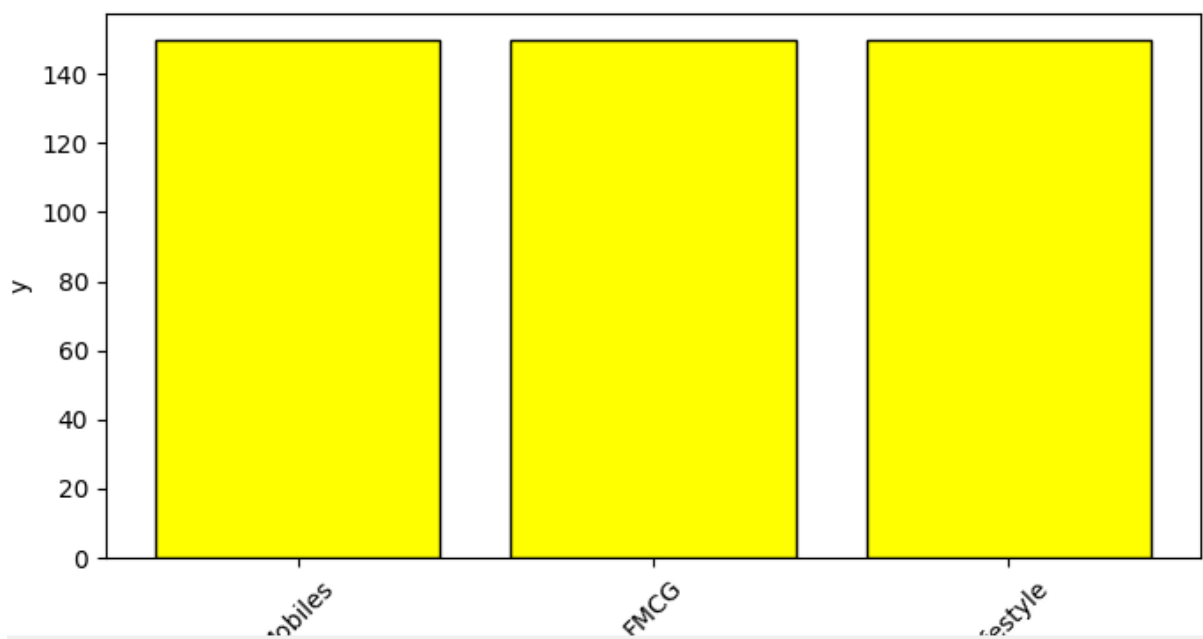
Figure 1



BARCHART OF COLUMN CITY



BARCHART OF COLUMN BU



BARCHART OF COLUMN BRAND

