untitled1

July 18, 2023

[2]:
```
import pandas as pd
import os
```

1- Merge the 12 months of sales into a single CSV file

[3]:
```
files = [file for file in os.listdir("C:
 ↪\\Users\\DELL\\OneDrive\\Bureau\\selfeducations\\projects\\sales project␣
 ↪DS\\data sales")]
all_months_data = pd.DataFrame()
for file in files :
    df = pd.read_csv("C:
 ↪\\Users\\DELL\\OneDrive\\Bureau\\selfeducations\\projects\\sales project␣
 ↪DS\\data sales\\"+file)
    all_months_data = pd.concat([all_months_data,df])
all_months_data.to_csv("all_data.csv",index = False )
```

[4]:
```
all_data = pd.read_csv("C:
 ↪\\Users\\DELL\\OneDrive\\Bureau\\selfeducations\\projects\\sales project␣
 ↪DS\\data sales\\all_data.csv")
all_data.head()
```

[4]:

	Order ID	Product	Quantity Ordered	Price Each	Order Date	Purchase Address
0	176558	USB-C Charging Cable	2	11.95	04/19/19 08:46	917 1st St, Dallas, TX 75001
1	NaN	NaN	NaN	NaN	NaN	NaN
2	176559	Bose SoundSport Headphones	1	99.99	04/07/19 22:30	682 Chestnut St, Boston, MA 02215
3	176560	Google Phone	1	600	04/12/19 14:38	669 Spruce St, Los Angeles, CA 90001
4	176560	Wired Headphones	1	11.99	04/12/19 14:38	669 Spruce St, Los Angeles, CA 90001

[5]:
```
all_data.shape
```

[5]:
```
(186850, 6)
```

we gonna make a copie of data in case we do any error :

[6]:
```
all_data_copie01 = all_data
```

2- Augmente data with columns :

2-1 : add month columns :

[7]:
```
all_data["Month"] = all_data['Order Date'].str[0:2]
all_data.head()
```

[7]:
```
  Order ID                    Product Quantity Ordered Price Each  \
0   176558        USB-C Charging Cable                2      11.95
1      NaN                         NaN              NaN        NaN
2   176559  Bose SoundSport Headphones                1      99.99
3   176560                Google Phone                1        600
4   176560            Wired Headphones                1      11.99

       Order Date                      Purchase Address Month
0  04/19/19 08:46          917 1st St, Dallas, TX 75001    04
1             NaN                                   NaN   NaN
2  04/07/19 22:30     682 Chestnut St, Boston, MA 02215    04
3  04/12/19 14:38  669 Spruce St, Los Angeles, CA 90001    04
4  04/12/19 14:38  669 Spruce St, Los Angeles, CA 90001    04
```

2-2 drop row with NaN :

[8]:
```
all_data = all_data.dropna(axis = 0)
```

[9]:
```
len(all_data.index)
```

[9]:
```
186305
```

[10]:
```
len(all_data_copie01.index)
```

[10]:
```
186850
```

3-3 add sales columns :

** make it the 2 columns quantity ordered and price each float :

[11]:
```
all_data.loc[515:520]
```

[11]:
```
     Order ID                  Product  Quantity Ordered  Price Each  \
515    177051          Wired Headphones                 2       11.99
516    177052      USB-C Charging Cable                 2       11.95
517    177053          Wired Headphones                 1       11.99
518    177054  Apple Airpods Headphones                 1         150
519  Order ID                  Product  Quantity Ordered  Price Each
520    177055  Lightning Charging Cable                 1       14.95
```

```
         Order Date                        Purchase Address Month
515  04/07/19 08:41          777 Adams St, Boston, MA 02215    04
516  04/02/19 09:30  532 Walnut St, San Francisco, CA 94016    04
517  04/24/19 20:45             5 Adams St, Boston, MA 02215    04
518  04/09/19 19:18       800 Jackson St, Atlanta, GA 30301    04
519      Order Date                        Purchase Address    Or
520  04/09/19 12:37         59 Forest St, Atlanta, GA 30301    04
```

[12]:
```
all_data = all_data[all_data["Order Date"].str[0:2]!='Or']
```

[13]:
```
all_data["Quantity Ordered"] = pd.to_numeric(all_data["Quantity Ordered"])
all_data["Price Each"] = pd.to_numeric(all_data["Price Each"])
```

[14]:
```
all_data["Sales"] = all_data["Quantity Ordered"]*all_data["Price Each"]
```

[30]:
```
all_data.head()
```

[30]:
```
  Order ID                    Product  Quantity Ordered  Price Each  \
0   176558        USB-C Charging Cable                 2       11.95
2   176559  Bose SoundSport Headphones                 1       99.99
3   176560                Google Phone                 1      600.00
4   176560            Wired Headphones                 1       11.99
5   176561            Wired Headphones                 1       11.99

       Order Date                       Purchase Address Month   Sales
0  04/19/19 08:46          917 1st St, Dallas, TX 75001    04   23.90
2  04/07/19 22:30     682 Chestnut St, Boston, MA 02215    04   99.99
3  04/12/19 14:38  669 Spruce St, Los Angeles, CA 90001    04  600.00
4  04/12/19 14:38  669 Spruce St, Los Angeles, CA 90001    04   11.99
5  04/30/19 09:27     333 8th St, Los Angeles, CA 90001    04   11.99
```

3-4 add city column :

[19]:
```
def get_city(adresse):
    return adresse.split(',')[1]
def get_state(adresse):
    return adresse.split(',')[2].split(' ')[1]

all_data["City"] = all_data["Purchase Address"].apply(lambda x: f"{get_city(x)}␣
 ↪({get_state(x)})")
all_data.head()
```

[19]:
```
  Order ID                    Product  Quantity Ordered  Price Each  \
0   176558        USB-C Charging Cable                 2       11.95
2   176559  Bose SoundSport Headphones                 1       99.99
3   176560                Google Phone                 1      600.00
```

```
4   176560            Wired Headphones                 1       11.99
5   176561            Wired Headphones                 1       11.99

       Order Date                      Purchase Address Month   Sales  \
0  04/19/19 08:46          917 1st St, Dallas, TX 75001    04   23.90
2  04/07/19 22:30     682 Chestnut St, Boston, MA 02215    04   99.99
3  04/12/19 14:38  669 Spruce St, Los Angeles, CA 90001    04  600.00
4  04/12/19 14:38  669 Spruce St, Los Angeles, CA 90001    04   11.99
5  04/30/19 09:27     333 8th St, Los Angeles, CA 90001    04   11.99

                City
0        Dallas (TX)
2        Boston (MA)
3   Los Angeles (CA)
4   Los Angeles (CA)
5   Los Angeles (CA)
```

4- best months sales :

[20]:
```
results = all_data.groupby('Month').sum()
results
```

```
C:\Users\DELL\AppData\Local\Temp\ipykernel_9052\894706187.py:1: FutureWarning:
The default value of numeric_only in DataFrameGroupBy.sum is deprecated. In a
future version, numeric_only will default to False. Either specify numeric_only
or select only columns which should be valid for the function.
  results = all_data.groupby('Month').sum()
```

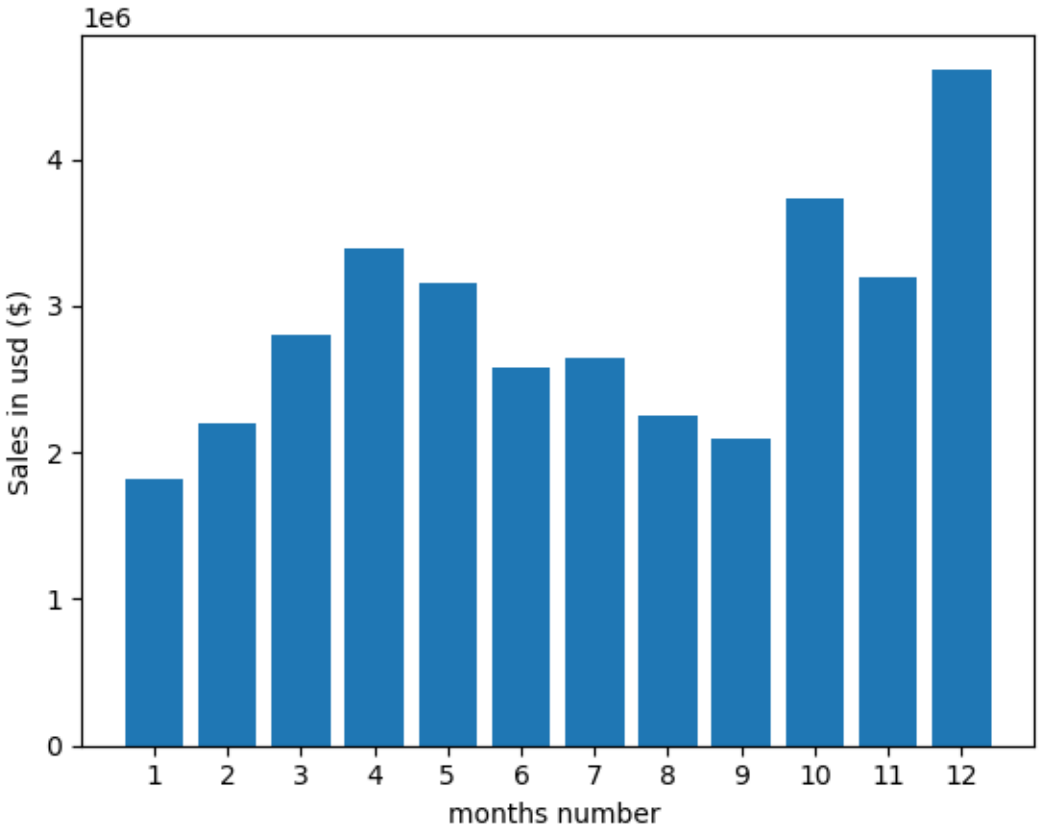
[20]:

Month	Quantity Ordered	Price Each	Sales
01	10903	1811768.38	1822256.73
02	13449	2188884.72	2202022.42
03	17005	2791207.83	2807100.38
04	20558	3367671.02	3390670.24
05	18667	3135125.13	3152606.75
06	15253	2562025.61	2577802.26
07	16072	2632539.56	2647775.76
08	13448	2230345.42	2244467.88
09	13109	2084992.09	2097560.13
10	22703	3715554.83	3736726.88
11	19798	3180600.68	3199603.20
12	28114	4588415.41	4613443.34

[21]:
```
import matplotlib.pyplot as plt
```

[22]:
```
Months = range(1,13)
plt.bar(Months,results['Sales'])
plt.xticks(Months)
```

```
plt.ylabel('Sales in usd ($)')
plt.xlabel('months number ')
plt.show()
```



5- what city had the highest number of sales ?

[23]:
```
result_city = all_data.groupby('City').sum()
result_city
```

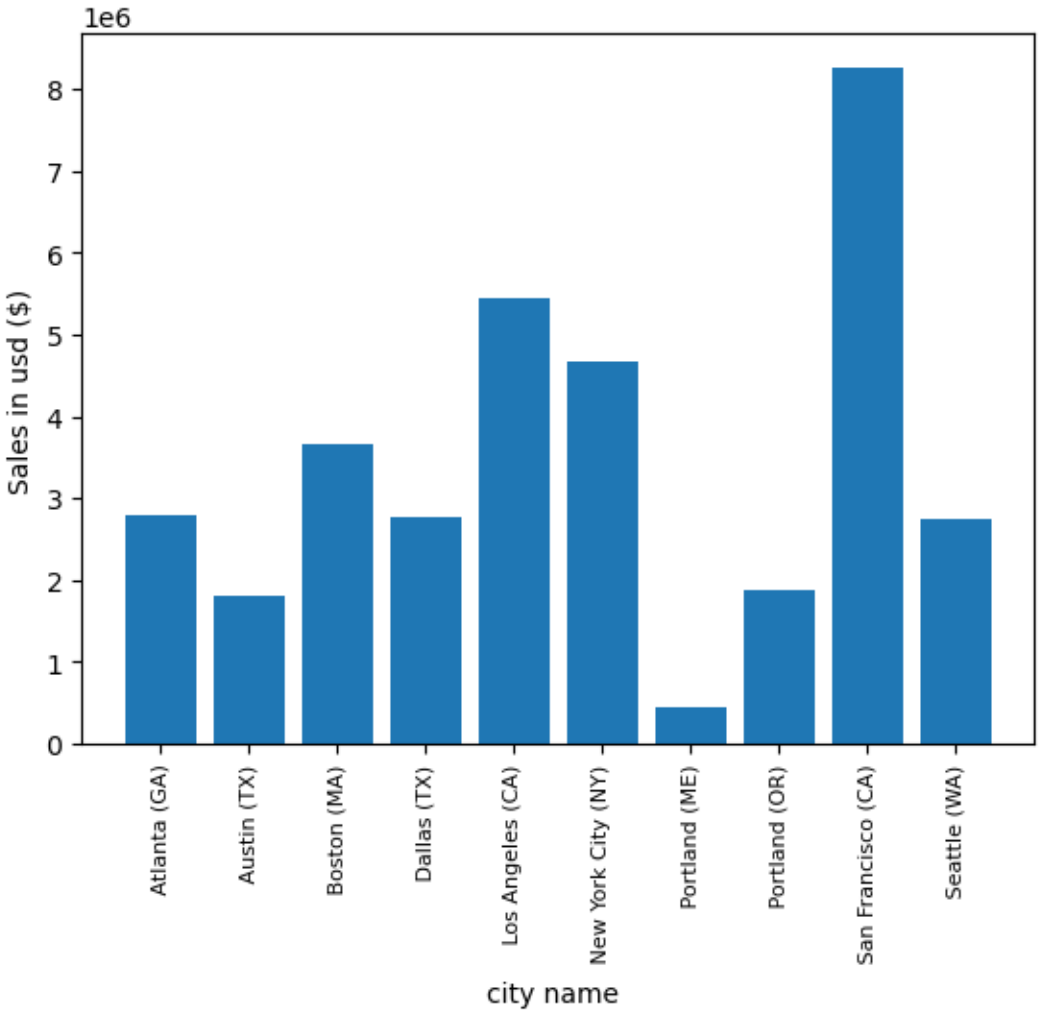
```
C:\Users\DELL\AppData\Local\Temp\ipykernel_9052\396878498.py:1: FutureWarning:
The default value of numeric_only in DataFrameGroupBy.sum is deprecated. In a
future version, numeric_only will default to False. Either specify numeric_only
or select only columns which should be valid for the function.
  result_city = all_data.groupby('City').sum()
```

[23]:

City	Quantity Ordered	Price Each	Sales
Atlanta (GA)	16602	2779908.20	2795498.58
Austin (TX)	11153	1809873.61	1819581.75
Boston (MA)	22528	3637409.77	3661642.01
Dallas (TX)	16730	2752627.82	2767975.40

```
Los Angeles (CA)              33289  5421435.23  5452570.80
New York City (NY)            27932  4635370.83  4664317.43
Portland (ME)                  2750   447189.25   449758.27
Portland (OR)                 11303  1860558.22  1870732.34
San Francisco (CA)            50239  8211461.74  8262203.91
Seattle (WA)                  16553  2733296.01  2747755.48
```

[24]:
```
cities = [city for city,df in all_data.groupby('City')]
plt.bar(cities,result_city['Sales'])
plt.xticks(cities,rotation = 'vertical', size = 8)
plt.ylabel("Sales in usd ($)")
plt.xlabel("city name ")
plt.show()
cities
```



[24]:
```
[' Atlanta (GA)',
 ' Austin (TX)',
 ' Boston (MA)',
 ' Dallas (TX)',
 ' Los Angeles (CA)',
 ' New York City (NY)',
 ' Portland (ME)',
 ' Portland (OR)',
 ' San Francisco (CA)',
 ' Seattle (WA)']
```

6- what time should we display advertisements likelihood of customer's buying product ?

[25]:
```
all_data.head()
```

[25]:

	Order ID	Product	Quantity Ordered	Price Each	Order Date	Purchase Address	Month	Sales	City
0	176558	USB-C Charging Cable	2	11.95	04/19/19 08:46	917 1st St, Dallas, TX 75001	04	23.90	Dallas (TX)
2	176559	Bose SoundSport Headphones	1	99.99	04/07/19 22:30	682 Chestnut St, Boston, MA 02215	04	99.99	Boston (MA)
3	176560	Google Phone	1	600.00	04/12/19 14:38	669 Spruce St, Los Angeles, CA 90001	04	600.00	Los Angeles (CA)
4	176560	Wired Headphones	1	11.99	04/12/19 14:38	669 Spruce St, Los Angeles, CA 90001	04	11.99	Los Angeles (CA)
5	176561	Wired Headphones	1	11.99	04/30/19 09:27	333 8th St, Los Angeles, CA 90001	04	11.99	Los Angeles (CA)

[29]:
```
all_data['Order Date'] = pd.to_datetime(all_data['Order Date'])
```

[30]:
```
all_data.head()
```

[30]:

	Order ID	Product	Quantity Ordered	Price Each
0	176558	USB-C Charging Cable	2	11.95
2	176559	Bose SoundSport Headphones	1	99.99
3	176560	Google Phone	1	600.00
4	176560	Wired Headphones	1	11.99
5	176561	Wired Headphones	1	11.99

```
            Order Date                       Purchase Address Month   Sales  \
0  2019-04-19 08:46:00          917 1st St, Dallas, TX 75001    04   23.90
2  2019-04-07 22:30:00     682 Chestnut St, Boston, MA 02215    04   99.99
3  2019-04-12 14:38:00  669 Spruce St, Los Angeles, CA 90001    04  600.00
4  2019-04-12 14:38:00  669 Spruce St, Los Angeles, CA 90001    04   11.99
5  2019-04-30 09:27:00     333 8th St, Los Angeles, CA 90001    04   11.99

                 City
0         Dallas (TX)
2         Boston (MA)
3    Los Angeles (CA)
4    Los Angeles (CA)
5    Los Angeles (CA)
```

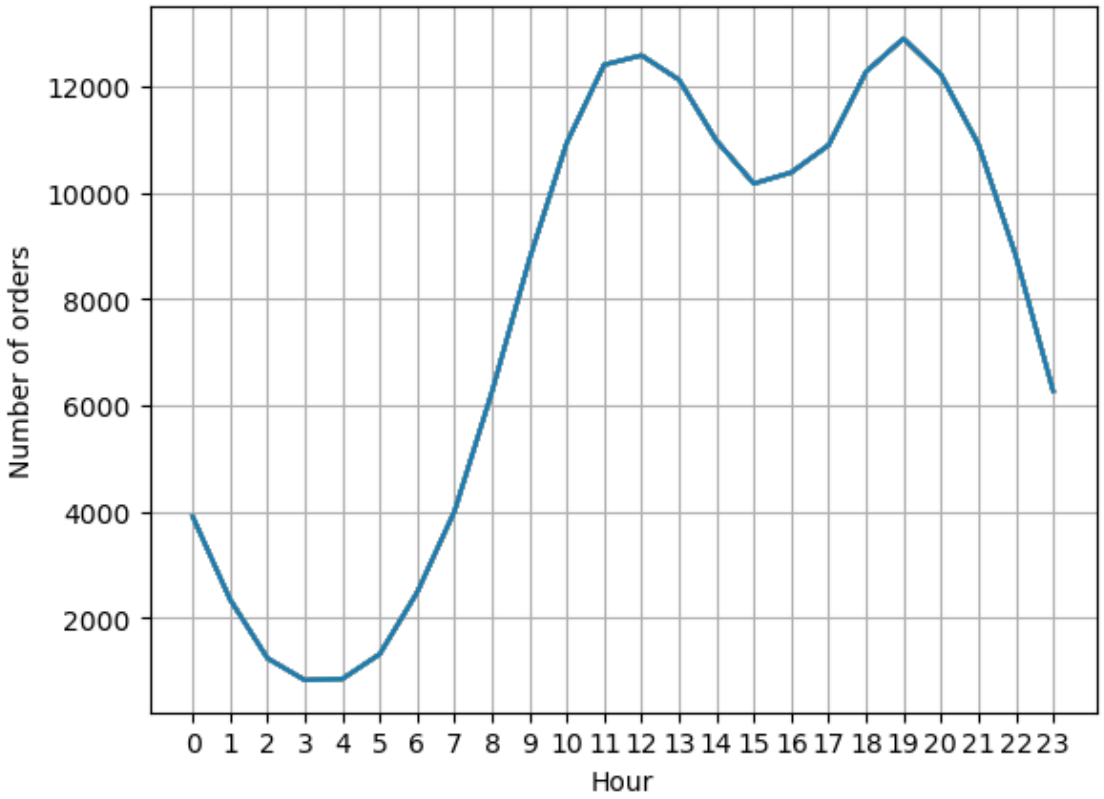
[35]:
```
all_data['Hour'] = all_data['Order Date'].dt.hour
all_data['Minute'] = all_data['Order Date'].dt.minute
all_data['count'] = 1
all_data.head()
```

[35]:
```
  Order ID                    Product  Quantity Ordered  Price Each  \
0   176558        USB-C Charging Cable                 2       11.95
2   176559  Bose SoundSport Headphones                 1       99.99
3   176560                Google Phone                 1      600.00
4   176560            Wired Headphones                 1       11.99
5   176561            Wired Headphones                 1       11.99

            Order Date                       Purchase Address Month   Sales  \
0  2019-04-19 08:46:00          917 1st St, Dallas, TX 75001    04   23.90
2  2019-04-07 22:30:00     682 Chestnut St, Boston, MA 02215    04   99.99
3  2019-04-12 14:38:00  669 Spruce St, Los Angeles, CA 90001    04  600.00
4  2019-04-12 14:38:00  669 Spruce St, Los Angeles, CA 90001    04   11.99
5  2019-04-30 09:27:00     333 8th St, Los Angeles, CA 90001    04   11.99

                 City  Hour  Minute  count
0         Dallas (TX)     8      46      1
2         Boston (MA)    22      30      1
3    Los Angeles (CA)    14      38      1
4    Los Angeles (CA)    14      38      1
5    Los Angeles (CA)     9      27      1
```

[43]:
```
hours = [hour for hour,df in all_data.groupby('Hour')]
plt.plot(hours, all_data.groupby(['Hour']).count())
plt.xticks(hours)
plt.xlabel('Hour')
plt.ylabel('Number of orders')
plt.grid()
plt.show()
```



[39]:
```
result = all_data.groupby('Hour').sum()
result
```

```
C:\Users\DELL\AppData\Local\Temp\ipykernel_9052\2266031566.py:1: FutureWarning:
The default value of numeric_only in DataFrameGroupBy.sum is deprecated. In a
future version, numeric_only will default to False. Either specify numeric_only
or select only columns which should be valid for the function.
  result = all_data.groupby('Hour').sum()
```

[39]:

Hour	Quantity Ordered	Price Each	Sales	Minute	count
0	4428	709296.70	713721.27	103596	3910
1	2619	458490.00	460866.88	61807	2350
2	1398	233833.64	234851.44	32508	1243
3	928	144726.42	145757.89	23044	831
4	937	162058.18	162661.01	26876	854
5	1493	229621.21	230679.82	42877	1321
6	2810	445000.11	448113.00	80343	2482
7	4556	740568.11	744854.12	127447	4011
8	7002	1185970.62	1192348.97	198135	6256
9	9816	1628498.49	1639030.58	268253	8748

10	12308	1932665.62	1944286.77	331941	10944
11	14005	2288855.18	2300610.24	368952	12411
12	14202	2299876.68	2316821.34	368679	12587
13	13685	2139743.86	2155389.80	351045	12129
14	12362	2072194.77	2083672.73	322563	10984
15	11391	1931174.99	1941549.60	299893	10175
16	11662	1892454.54	1904601.31	310132	10384
17	12229	2116777.02	2129361.61	323428	10899
18	13802	2207696.93	2219348.30	371688	12280
19	14470	2398588.31	2412938.54	381042	12905
20	13768	2268185.16	2281716.24	354086	12228
21	12244	2030763.83	2042000.86	312062	10921
22	9899	1599464.44	1607549.21	248503	8822
23	7065	1172625.87	1179304.44	173159	6275

7-what product are most often sold togethor ?

[65]:
```
DF = all_data[all_data['Order ID'].duplicated(keep= False )]
DF['grouped']= DF.groupby('Order ID')['Product'].transform(lambda x :','.
 ↪join(x))
DF = DF[['Order ID','grouped']].drop_duplicates()
DF.head()
```

```
C:\Users\DELL\AppData\Local\Temp\ipykernel_9052\3825171095.py:2:
SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-
docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy
  DF['grouped']= DF.groupby('Order ID')['Product'].transform(lambda x
:','.join(x))
```

[65]:

	Order ID	grouped
3	176560	Google Phone,Wired Headphones
18	176574	Google Phone,USB-C Charging Cable
30	176585	Bose SoundSport Headphones,Bose SoundSport Hea…
32	176586	AAA Batteries (4-pack),Google Phone
119	176672	Lightning Charging Cable,USB-C Charging Cable

[47]:
```

```

```
C:\Users\DELL\AppData\Local\Temp\ipykernel_9052\759627908.py:1:
SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-
```

```
docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy
  df['Grouped'] = df.groupby('Order ID')['Product'].transform(lambda x:
','.join(x))
```

[47]:

	Order ID	Product	Quantity Ordered	Price Each	\
3	176560	Google Phone	1	600.00	
4	176560	Wired Headphones	1	11.99	
18	176574	Google Phone	1	600.00	
19	176574	USB-C Charging Cable	1	11.95	
30	176585	Bose SoundSport Headphones	1	99.99	

	Order Date	Purchase Address	Month	Sales	\
3	2019-04-12 14:38:00	669 Spruce St, Los Angeles, CA 90001	04	600.00	
4	2019-04-12 14:38:00	669 Spruce St, Los Angeles, CA 90001	04	11.99	
18	2019-04-03 19:42:00	20 Hill St, Los Angeles, CA 90001	04	600.00	
19	2019-04-03 19:42:00	20 Hill St, Los Angeles, CA 90001	04	11.95	
30	2019-04-07 11:31:00	823 Highland St, Boston, MA 02215	04	99.99	

	City	Hour	Minute	count	\
3	Los Angeles (CA)	14	38	1	
4	Los Angeles (CA)	14	38	1	
18	Los Angeles (CA)	19	42	1	
19	Los Angeles (CA)	19	42	1	
30	Boston (MA)	11	31	1	

	Grouped
3	Google Phone,Wired Headphones
4	Google Phone,Wired Headphones
18	Google Phone,USB-C Charging Cable
19	Google Phone,USB-C Charging Cable
30	Bose SoundSport Headphones,Bose SoundSport Hea…

[71]:
```
from itertools import combinations
from collections import Counter
count = Counter()
for row in DF['grouped']:
    row_list = row.split(',')
    count.update(Counter(combinations(row_list,2)))
for key,value in count.most_common(10) :
    print(key,value)
```

```
('iPhone', 'Lightning Charging Cable') 1005
('Google Phone', 'USB-C Charging Cable') 987
('iPhone', 'Wired Headphones') 447
('Google Phone', 'Wired Headphones') 414
('Vareebadd Phone', 'USB-C Charging Cable') 361
('iPhone', 'Apple Airpods Headphones') 360
('Google Phone', 'Bose SoundSport Headphones') 220
```

```
('USB-C Charging Cable', 'Wired Headphones') 160
('Vareebadd Phone', 'Wired Headphones') 143
('Lightning Charging Cable', 'Wired Headphones') 92
```

[73]:
```
product_group = all_data.groupby('Product')
product_group.sum()
```

```
C:\Users\DELL\AppData\Local\Temp\ipykernel_9052\2905097574.py:2: FutureWarning:
The default value of numeric_only in DataFrameGroupBy.sum is deprecated. In a
future version, numeric_only will default to False. Either specify numeric_only
or select only columns which should be valid for the function.
  product_group.sum()
```

[73]:

Product	Quantity Ordered	Price Each	Sales	Hour	\
20in Monitor	4129	451068.99	454148.71	58764	
27in 4K Gaming Monitor	6244	2429637.70	2435097.56	90916	
27in FHD Monitor	7550	1125974.93	1132424.50	107540	
34in Ultrawide Monitor	6199	2348718.19	2355558.01	89076	
AA Batteries (4-pack)	27635	79015.68	106118.40	298342	
AAA Batteries (4-pack)	31017	61716.59	92740.83	297332	
Apple Airpods Headphones	15661	2332350.00	2349150.00	223304	
Bose SoundSport Headphones	13457	1332366.75	1345565.43	192445	
Flatscreen TV	4819	1440000.00	1445700.00	68815	
Google Phone	5532	3315000.00	3319200.00	79479	
LG Dryer	646	387600.00	387600.00	9326	
LG Washing Machine	666	399600.00	399600.00	9785	
Lightning Charging Cable	23217	323787.10	347094.15	312529	
Macbook Pro Laptop	4728	8030800.00	8037600.00	68261	
ThinkPad Laptop	4130	4127958.72	4129958.70	59746	
USB-C Charging Cable	23975	261740.85	286501.25	314645	
Vareebadd Phone	2068	826000.00	827200.00	29472	
Wired Headphones	20557	226395.18	246478.43	271720	
iPhone	6849	4789400.00	4794300.00	98657	

Product	Minute	count
20in Monitor	122252	4101
27in 4K Gaming Monitor	184331	6230
27in FHD Monitor	219948	7507
34in Ultrawide Monitor	183480	6181
AA Batteries (4-pack)	609039	20577
AAA Batteries (4-pack)	612113	20641
Apple Airpods Headphones	455570	15549
Bose SoundSport Headphones	392603	13325
Flatscreen TV	142789	4800
Google Phone	162773	5525

```
LG Dryer                     19043    646
LG Washing Machine           19462    666
Lightning Charging Cable    634442  21658
Macbook Pro Laptop          137574   4724
ThinkPad Laptop             121508   4128
USB-C Charging Cable        647586  21903
Vareebadd Phone              61835   2065
Wired Headphones            554023  18882
iPhone                      201688   6842
```

[61]:

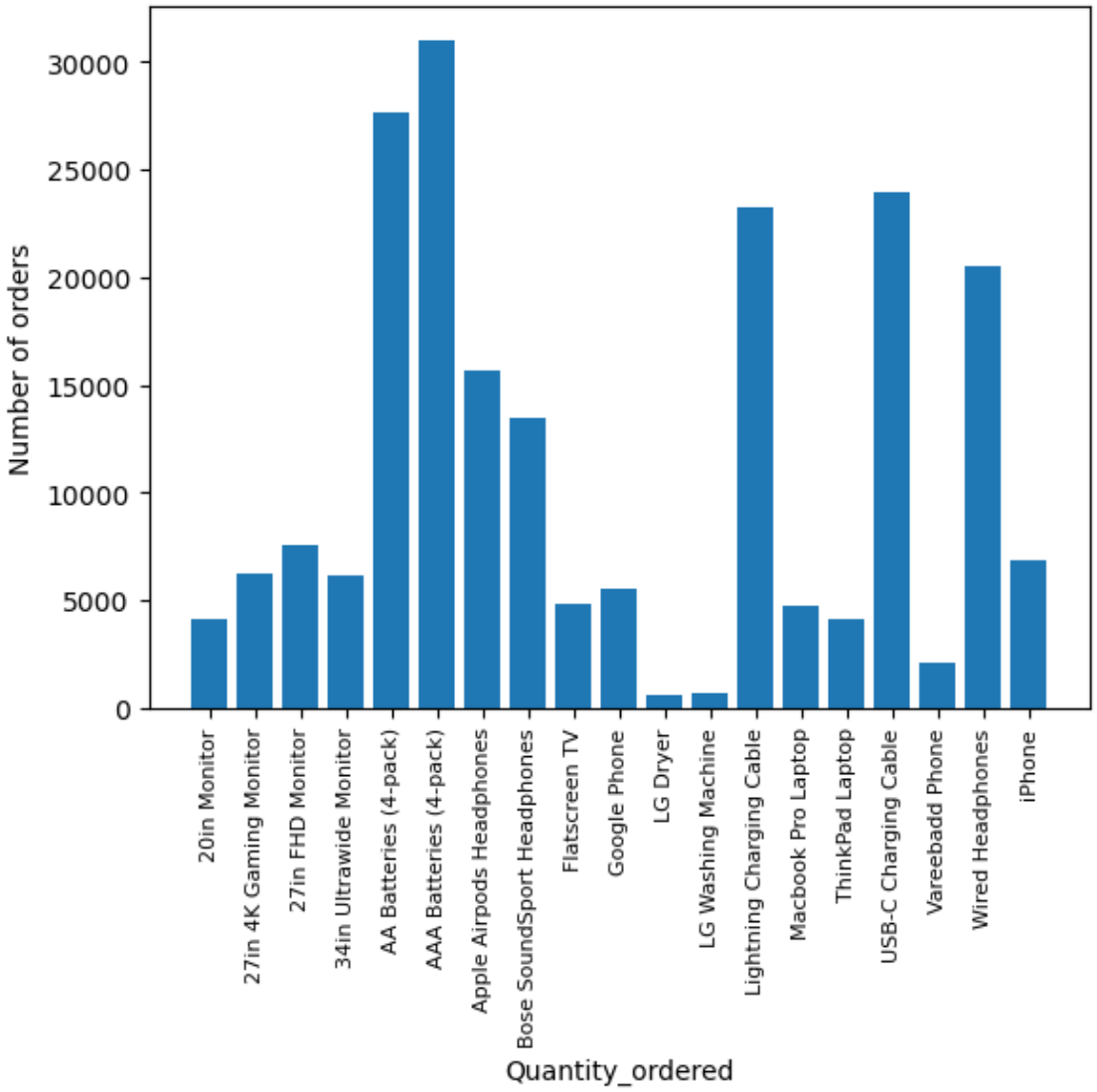
```
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
Cell In[61], line 1
----> 1 df.head()

AttributeError: 'function' object has no attribute 'head'
```

[74]:

```
Quantity_ordered = product_group.sum()['Quantity Ordered']
products = [product for product,df in product_group]
plt.bar(products, Quantity_ordered)
plt.xticks('Product')
plt.xlabel('Quantity_ordered')
plt.ylabel('Number of orders')
plt.xticks(products,rotation = 'vertical',size = 8)
plt.show()
```

```
C:\Users\DELL\AppData\Local\Temp\ipykernel_9052\93901843.py:1: FutureWarning:
The default value of numeric_only in DataFrameGroupBy.sum is deprecated. In a
future version, numeric_only will default to False. Either specify numeric_only
or select only columns which should be valid for the function.
  Quantity_ordered = product_group.sum()['Quantity Ordered']
```



[75]:
```
prices = all_data.groupby('Product').mean()['Price Each']
print(prices)
```

```
Product
20in Monitor                  109.99
27in 4K Gaming Monitor        389.99
27in FHD Monitor              149.99
34in Ultrawide Monitor        379.99
AA Batteries (4-pack)           3.84
AAA Batteries (4-pack)          2.99
Apple Airpods Headphones      150.00
Bose SoundSport Headphones     99.99
Flatscreen TV                 300.00
```

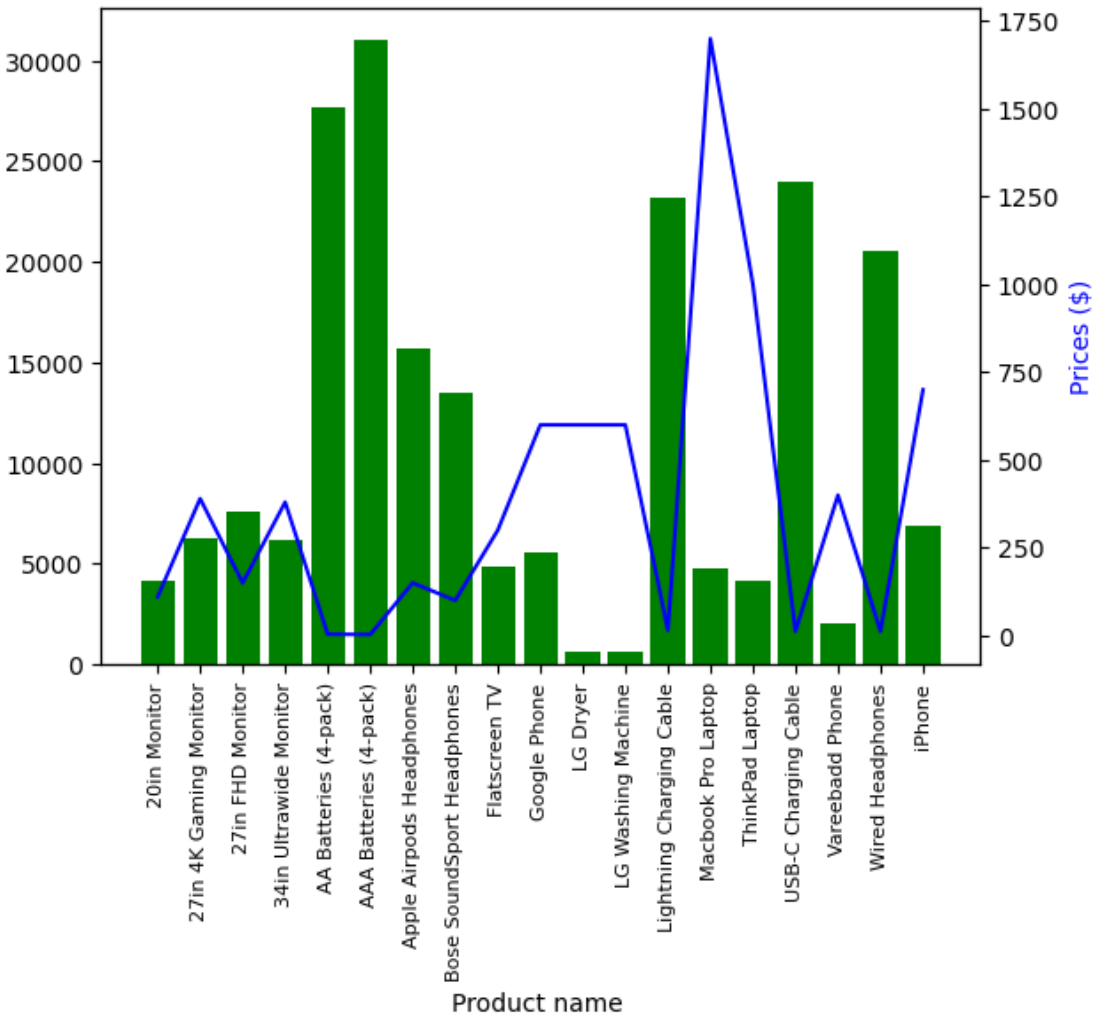
```
Google Phone                    600.00
LG Dryer                        600.00
LG Washing Machine              600.00
Lightning Charging Cable         14.95
Macbook Pro Laptop             1700.00
ThinkPad Laptop                 999.99
USB-C Charging Cable             11.95
Vareebadd Phone                 400.00
Wired Headphones                 11.99
iPhone                          700.00
Name: Price Each, dtype: float64
```

```
C:\Users\DELL\AppData\Local\Temp\ipykernel_9052\2294271103.py:1: FutureWarning:
The default value of numeric_only in DataFrameGroupBy.mean is deprecated. In a
future version, numeric_only will default to False. Either specify numeric_only
or select only columns which should be valid for the function.
  prices = all_data.groupby('Product').mean()['Price Each']
```

[80]:
```
fig,ax1 = plt.subplots()
ax2 = ax1.twinx()
ax1.bar(products,Quantity_ordered,color = 'g')
ax2.plot(products,prices,'b-')

ax1.set_xlabel('Product name ')
ax2.set_ylabel('Quantuty ordered',color = 'g')
ax2.set_ylabel('Prices ($)',color = 'b')
ax1.set_xticklabels(products,rotation = 'vertical',size = 8)
plt.show()
```

```
C:\Users\DELL\AppData\Local\Temp\ipykernel_9052\665085444.py:9: UserWarning:
FixedFormatter should only be used together with FixedLocator
  ax1.set_xticklabels(products,rotation = 'vertical',size = 8)
```


30000
25000
20000
15000
10000
5000
0
1750
1500
1250
1000
750
500
250
0
Prices ($)
20in Monitor
27in 4K Gaming Monitor
27in FHD Monitor
34in Ultrawide Monitor
AA Batteries (4-pack)
AAA Batteries (4-pack)
Apple Airpods Headphones
Bose SoundSport Headphones
Flatscreen TV
Google Phone
LG Dryer
LG Washing Machine
Lightning Charging Cable
Macbook Pro Laptop
ThinkPad Laptop
USB-C Charging Cable
Vareebadd Phone
Wired Headphones
iPhone
Product name

[ ]: