

```
import numpy as np
import pandas as pd
```

```
store = pd.read_csv(r'C:\Users\DELL\Downloads\Sample - Superstore_Orders.csv')
```

```
store
```

Category			City Country/Region		Customer
Name \					
0	Office Supplies		Houston	United States	Darren Powers
1	Office Supplies		Naperville	United States	Phillina Ober
2	Office Supplies		Naperville	United States	Phillina Ober
3	Office Supplies		Naperville	United States	Phillina Ober
4	Office Supplies		Philadelphia	United States	Mick Brown
...
10189	Office Supplies		New York City	United States	Patrick O'Donnell
10190	Office Supplies		Fairfield	United States	Erica Bern
10191	Office Supplies		Loveland	United States	Jill Matthias
10192	Technology		New York City	United States	Patrick O'Donnell
10193	Office Supplies		Charlottetown	Canada	Harry Olson
	Manufacturer	Order Date	Order ID	Postal Code	\
0	Message Book	03-01-2020	US-2020-103800	77095	
1	GBC	04-01-2020	US-2020-112326	60540	
2	Avery	04-01-2020	US-2020-112326	60540	
3	SAFCO	04-01-2020	US-2020-112326	60540	
4	Avery	05-01-2020	US-2020-141817	19143	
...	
10189	Wilson Jones	30-12-2023	US-2023-143259	10009	
10190	GBC	30-12-2023	US-2023-115427	94533	
10191	Other	30-12-2023	US-2023-156720	80538	
10192	Other	30-12-2023	US-2023-143259	10009	
10193	Wilson Jones	30-12-2023	CA-2023-143500	C0A	

3		SAFCO Boltless Steel Shelving	Central
4		Avery Hi-Liter EverBold Pen Style Fluorescent ...	East
...	
10189		Wilson Jones Legal Size Ring Binders	East
10190		GBC Binding covers	West
10191		Bagged Rubber Bands	West
10192		Gear Head AU3700S Headset	East
10193		Wilson Jones Impact Binders	East

	Segment	Ship Date	Ship Mode	
State/Province \				
0	Consumer	07-01-2020	Standard Class	Texas
1	Home Office	08-01-2020	Standard Class	Illinois
2	Home Office	08-01-2020	Standard Class	Illinois
3	Home Office	08-01-2020	Standard Class	Illinois
4	Consumer	12-01-2020	Standard Class	Pennsylvania
...
10189	Consumer	03-01-2024	Standard Class	New York
10190	Corporate	03-01-2024	Standard Class	California
10191	Consumer	03-01-2024	Standard Class	Colorado
10192	Consumer	03-01-2024	Standard Class	New York
10193	Consumer	03-01-2024	Standard Class	Prince Edward Island

	Sub-Category	Discount	Profit	Quantity	Sales
0	Paper	0.2	5.5512	2	16.448
1	Binders	0.8	-5.4870	2	3.540
2	Labels	0.2	4.2717	3	11.784
3	Storage	0.2	-64.7748	3	272.736
4	Art	0.2	4.8840	3	19.536
...
10189	Binders	0.2	19.7910	3	52.776
10190	Binders	0.2	6.4750	2	20.720
10191	Fasteners	0.2	-0.6048	3	3.024
10192	Phones	0.0	2.7279	7	90.930
10193	Binders	0.2	-0.6048	3	3.024

[10194 rows x 19 columns]

id(store)

```
210707536
```

```
store.columns
```

```
Index(['Category', 'City', 'Country/Region', 'Customer Name',  
      'Manufacturer',  
      'Order Date', 'Order ID', 'Postal Code', 'Product Name',  
      'Region',  
      'Segment', 'Ship Date', 'Ship Mode', 'State/Province', 'Sub-  
Category',  
      'Discount', 'Profit', 'Quantity', 'Sales'],  
      dtype='object')
```

```
store.shape
```

```
(10194, 19)
```

```
len(store.columns)
```

```
19
```

```
store.isnull()
```

	Category	City	Country/Region	Customer Name	Manufacturer \
0	False	False	False	False	False
1	False	False	False	False	False
2	False	False	False	False	False
3	False	False	False	False	False
4	False	False	False	False	False
...
10189	False	False	False	False	False
10190	False	False	False	False	False
10191	False	False	False	False	False
10192	False	False	False	False	False
10193	False	False	False	False	False

	Order Date	Order ID	Postal Code	Product Name	Region
Segment \					
0	False	False	False	False	False
False					
1	False	False	False	False	False
False					
2	False	False	False	False	False
False					
3	False	False	False	False	False
False					
4	False	False	False	False	False
False					
...
.					
10189	False	False	False	False	False

False					
10190	False	False	False	False	False
False					
10191	False	False	False	False	False
False					
10192	False	False	False	False	False
False					
10193	False	False	False	False	False
False					

	Ship Date	Ship Mode	State/Province	Sub-Category	Discount
Profit \					
0	False	False	False	False	False
False					
1	False	False	False	False	False
False					
2	False	False	False	False	False
False					
3	False	False	False	False	False
False					
4	False	False	False	False	False
False					
...
...					
10189	False	False	False	False	False
False					
10190	False	False	False	False	False
False					
10191	False	False	False	False	False
False					
10192	False	False	False	False	False
False					
10193	False	False	False	False	False
False					

	Quantity	Sales
0	False	False
1	False	False
2	False	False
3	False	False
4	False	False
...
10189	False	False
10190	False	False
10191	False	False
10192	False	False
10193	False	False

[10194 rows x 19 columns]

```
store.isna()
```

	Category	City	Country/Region	Customer Name	Manufacturer	\
0	False	False	False	False	False	
1	False	False	False	False	False	
2	False	False	False	False	False	
3	False	False	False	False	False	
4	False	False	False	False	False	
...	
10189	False	False	False	False	False	
10190	False	False	False	False	False	
10191	False	False	False	False	False	
10192	False	False	False	False	False	
10193	False	False	False	False	False	

	Order Date	Order ID	Postal Code	Product Name	Region	
Segment \						
0	False	False	False	False	False	
False						
1	False	False	False	False	False	
False						
2	False	False	False	False	False	
False						
3	False	False	False	False	False	
False						
4	False	False	False	False	False	
False						
...
.						
10189	False	False	False	False	False	
False						
10190	False	False	False	False	False	
False						
10191	False	False	False	False	False	
False						
10192	False	False	False	False	False	
False						
10193	False	False	False	False	False	
False						

	Ship Date	Ship Mode	State/Province	Sub-Category	Discount	
Profit \						
0	False	False	False	False	False	
False						
1	False	False	False	False	False	
False						
2	False	False	False	False	False	
False						
3	False	False	False	False	False	
False						

4	False	False	False	False	False
False					
...
...					
10189	False	False	False	False	False
False					
10190	False	False	False	False	False
False					
10191	False	False	False	False	False
False					
10192	False	False	False	False	False
False					
10193	False	False	False	False	False
False					

	Quantity	Sales
0	False	False
1	False	False
2	False	False
3	False	False
4	False	False
...
10189	False	False
10190	False	False
10191	False	False
10192	False	False
10193	False	False

[10194 rows x 19 columns]

store.isnull().sum()

Category	0
City	0
Country/Region	0
Customer Name	0
Manufacturer	0
Order Date	0
Order ID	0
Postal Code	0
Product Name	0
Region	0
Segment	0
Ship Date	0
Ship Mode	0
State/Province	0
Sub-Category	0
Discount	0
Profit	0
Quantity	0

```
Sales          0
```

```
dtype: int64
```

```
store.dtypes
```

```
Category      object
```

```
City          object
```

```
Country/Region  object
```

```
Customer Name  object
```

```
Manufacturer   object
```

```
Order Date    object
```

```
Order ID      object
```

```
Postal Code   object
```

```
Product Name  object
```

```
Region        object
```

```
Segment       object
```

```
Ship Date     object
```

```
Ship Mode     object
```

```
State/Province object
```

```
Sub-Category  object
```

```
Discount      float64
```

```
Profit        float64
```

```
Quantity      int64
```

```
Sales         float64
```

```
dtype: object
```

```
store.info()
```

```
<class 'pandas.core.frame.DataFrame'>
```

```
RangeIndex: 10194 entries, 0 to 10193
```

```
Data columns (total 19 columns):
```

#	Column	Non-Null Count	Dtype
0	Category	10194 non-null	object
1	City	10194 non-null	object
2	Country/Region	10194 non-null	object
3	Customer Name	10194 non-null	object
4	Manufacturer	10194 non-null	object
5	Order Date	10194 non-null	object
6	Order ID	10194 non-null	object
7	Postal Code	10194 non-null	object
8	Product Name	10194 non-null	object
9	Region	10194 non-null	object
10	Segment	10194 non-null	object
11	Ship Date	10194 non-null	object
12	Ship Mode	10194 non-null	object
13	State/Province	10194 non-null	object
14	Sub-Category	10194 non-null	object
15	Discount	10194 non-null	float64
16	Profit	10194 non-null	float64

```
17 Quantity      10194 non-null int64
18 Sales         10194 non-null float64
dtypes: float64(3), int64(1), object(15)
memory usage: 1.5+ MB
```

```
pd.__version__
```

```
'2.2.2'
```

```
store.head()
```

	Category	City	Country/Region	Customer Name
Manufacturer \				
0	Office Supplies	Houston	United States	Darren Powers
Message Book				
1	Office Supplies	Naperville	United States	Phillina Ober
GBC				
2	Office Supplies	Naperville	United States	Phillina Ober
Avery				
3	Office Supplies	Naperville	United States	Phillina Ober
SAFCO				
4	Office Supplies	Philadelphia	United States	Mick Brown
Avery				

	Order Date	Order ID	Postal Code	\
0	03-01-2020	US-2020-103800	77095	
1	04-01-2020	US-2020-112326	60540	
2	04-01-2020	US-2020-112326	60540	
3	04-01-2020	US-2020-112326	60540	
4	05-01-2020	US-2020-141817	19143	

	Product Name	Region
Segment \		
0	Message Book, Wirebound, Four 5 1/2" X 4" Form...	Central
Consumer		
1	GBC Standard Plastic Binding Systems Combs	Central Home
Office		
2	Avery 508	Central Home
Office		
3	SAFCO Boltless Steel Shelving	Central Home
Office		
4	Avery Hi-Liter EverBold Pen Style Fluorescent ...	East
Consumer		

	Ship Date	Ship Mode	State/Province	Sub-Category	Discount
Profit \					
0	07-01-2020	Standard Class	Texas	Paper	0.2
5.5512					
1	08-01-2020	Standard Class	Illinois	Binders	0.8
5.4870					-

2	08-01-2020	Standard Class	Illinois	Labels	0.2
4.2717					
3	08-01-2020	Standard Class	Illinois	Storage	0.2 -
64.7748					
4	12-01-2020	Standard Class	Pennsylvania	Art	0.2
4.8840					

	Quantity	Sales
0	2	16.448
1	2	3.540
2	3	11.784
3	3	272.736
4	3	19.536

store.head(3)

	Category	City	Country/Region	Customer Name
Manufacturer \				
0	Office Supplies	Houston	United States	Darren Powers Message Book
1	Office Supplies	Naperville	United States	Phillina Ober GBC
2	Office Supplies	Naperville	United States	Phillina Ober Avery

	Order Date	Order ID	Postal Code	\
0	03-01-2020	US-2020-103800	77095	
1	04-01-2020	US-2020-112326	60540	
2	04-01-2020	US-2020-112326	60540	

	Product Name	Region
Segment \		
0	Message Book, Wirebound, Four 5 1/2" X 4" Form...	Central Consumer
1	GBC Standard Plastic Binding Systems Combs	Central Home Office
2	Avery 508	Central Home Office

	Ship Date	Ship Mode	State/Province	Sub-Category	Discount Profit
\					
0	07-01-2020	Standard Class	Texas	Paper	0.2
5.5512					
1	08-01-2020	Standard Class	Illinois	Binders	0.8 -
5.4870					
2	08-01-2020	Standard Class	Illinois	Labels	0.2
4.2717					

	Quantity	Sales
0	2	16.448

```
1      2      3.540
2      3      11.784
```

```
store.tail(3)
```

Name \	Category	City	Country/Region	Customer
10191	Office Supplies	Loveland	United States	Jill Matthias
10192	Technology	New York City	United States	Patrick O'Donnell
10193	Office Supplies	Charlottetown	Canada	Harry Olson

	Manufacturer	Order Date	Order ID	Postal Code \
10191	Other	30-12-2023	US-2023-156720	80538
10192	Other	30-12-2023	US-2023-143259	10009
10193	Wilson Jones	30-12-2023	CA-2023-143500	C0A

	Product Name	Region	Segment	Ship Date \
10191	Bagged Rubber Bands	West	Consumer	03-01-2024
10192	Gear Head AU3700S Headset	East	Consumer	03-01-2024
10193	Wilson Jones Impact Binders	East	Consumer	03-01-2024

Profit \	Ship Mode	State/Province	Sub-Category	Discount
10191	Standard Class	Colorado	Fasteners	0.2 -
0.6048				
10192	Standard Class	New York	Phones	0.0
2.7279				
10193	Standard Class	Prince Edward Island	Binders	0.2 -
0.6048				

	Quantity	Sales
10191	3	3.024
10192	7	90.930
10193	3	3.024

```
store
```

Name \	Category	City	Country/Region	Customer
0	Office Supplies	Houston	United States	Darren Powers
1	Office Supplies	Naperville	United States	Phillina Ober
2	Office Supplies	Naperville	United States	Phillina Ober
3	Office Supplies	Naperville	United States	Phillina Ober
4	Office Supplies	Philadelphia	United States	Mick

Brown

... ..

10189 Office Supplies New York City United States Patrick
O'Donnell
10190 Office Supplies Fairfield United States Erica
Bern
10191 Office Supplies Loveland United States Jill
Matthias
10192 Technology New York City United States Patrick
O'Donnell
10193 Office Supplies Charlottetown Canada Harry
Olson

	Manufacturer	Order Date	Order ID	Postal Code	\
0	Message Book	03-01-2020	US-2020-103800	77095	
1	GBC	04-01-2020	US-2020-112326	60540	
2	Avery	04-01-2020	US-2020-112326	60540	
3	SAFCO	04-01-2020	US-2020-112326	60540	
4	Avery	05-01-2020	US-2020-141817	19143	
...	
10189	Wilson Jones	30-12-2023	US-2023-143259	10009	
10190	GBC	30-12-2023	US-2023-115427	94533	
10191	Other	30-12-2023	US-2023-156720	80538	
10192	Other	30-12-2023	US-2023-143259	10009	
10193	Wilson Jones	30-12-2023	CA-2023-143500	C0A	

	Product Name	Region	\
0	Message Book, Wirebound, Four 5 1/2" X 4" Form...	Central	
1	GBC Standard Plastic Binding Systems Combs	Central	
2	Avery 508	Central	
3	SAFCO Boltless Steel Shelving	Central	
4	Avery Hi-Liter EverBold Pen Style Fluorescent ...	East	
...	
10189	Wilson Jones Legal Size Ring Binders	East	
10190	GBC Binding covers	West	
10191	Bagged Rubber Bands	West	
10192	Gear Head AU3700S Headset	East	
10193	Wilson Jones Impact Binders	East	

	Segment	Ship Date	Ship Mode	
State/Province	\			
0	Consumer	07-01-2020	Standard Class	Texas
1	Home Office	08-01-2020	Standard Class	Illinois
2	Home Office	08-01-2020	Standard Class	Illinois
3	Home Office	08-01-2020	Standard Class	Illinois

4	Consumer	12-01-2020	Standard Class	Pennsylvania	
...	
10189	Consumer	03-01-2024	Standard Class	New York	
10190	Corporate	03-01-2024	Standard Class	California	
10191	Consumer	03-01-2024	Standard Class	Colorado	
10192	Consumer	03-01-2024	Standard Class	New York	
10193	Consumer	03-01-2024	Standard Class	Prince Edward Island	
	Sub-Category	Discount	Profit	Quantity	Sales
0	Paper	0.2	5.5512	2	16.448
1	Binders	0.8	-5.4870	2	3.540
2	Labels	0.2	4.2717	3	11.784
3	Storage	0.2	-64.7748	3	272.736
4	Art	0.2	4.8840	3	19.536
...
10189	Binders	0.2	19.7910	3	52.776
10190	Binders	0.2	6.4750	2	20.720
10191	Fasteners	0.2	-0.6048	3	3.024
10192	Phones	0.0	2.7279	7	90.930
10193	Binders	0.2	-0.6048	3	3.024
[10194 rows x 19 columns]					
store[:]					
	Category	City	Country/Region	Customer	
Name \					
0	Office Supplies	Houston	United States	Darren	
Powers					
1	Office Supplies	Naperville	United States	Phillina	
Ober					
2	Office Supplies	Naperville	United States	Phillina	
Ober					
3	Office Supplies	Naperville	United States	Phillina	
Ober					
4	Office Supplies	Philadelphia	United States	Mick	
Brown					
...	
.					
10189	Office Supplies	New York City	United States	Patrick	
O'Donnell					
10190	Office Supplies	Fairfield	United States	Erica	
Bern					
10191	Office Supplies	Loveland	United States	Jill	

Matthias

10192 Technology New York City United States Patrick
O'Donnell

10193 Office Supplies Charlottetown Canada Harry
Olson

	Manufacturer	Order Date	Order ID	Postal Code	\
0	Message Book	03-01-2020	US-2020-103800	77095	
1	GBC	04-01-2020	US-2020-112326	60540	
2	Avery	04-01-2020	US-2020-112326	60540	
3	SAFCO	04-01-2020	US-2020-112326	60540	
4	Avery	05-01-2020	US-2020-141817	19143	
...	
10189	Wilson Jones	30-12-2023	US-2023-143259	10009	
10190	GBC	30-12-2023	US-2023-115427	94533	
10191	Other	30-12-2023	US-2023-156720	80538	
10192	Other	30-12-2023	US-2023-143259	10009	
10193	Wilson Jones	30-12-2023	CA-2023-143500	C0A	

	Product Name	Region	\
0	Message Book, Wirebound, Four 5 1/2" X 4" Form...	Central	
1	GBC Standard Plastic Binding Systems Combs	Central	
2	Avery 508	Central	
3	SAFCO Boltless Steel Shelving	Central	
4	Avery Hi-Liter EverBold Pen Style Fluorescent ...	East	
...	
10189	Wilson Jones Legal Size Ring Binders	East	
10190	GBC Binding covers	West	
10191	Bagged Rubber Bands	West	
10192	Gear Head AU3700S Headset	East	
10193	Wilson Jones Impact Binders	East	

	Segment	Ship Date	Ship Mode	
State/Province \				
0	Consumer	07-01-2020	Standard Class	Texas
1	Home Office	08-01-2020	Standard Class	Illinois
2	Home Office	08-01-2020	Standard Class	Illinois
3	Home Office	08-01-2020	Standard Class	Illinois
4	Consumer	12-01-2020	Standard Class	Pennsylvania
...
10189	Consumer	03-01-2024	Standard Class	New York
10190	Corporate	03-01-2024	Standard Class	California

10191	Consumer	03-01-2024	Standard Class	Colorado
10192	Consumer	03-01-2024	Standard Class	New York
10193	Consumer	03-01-2024	Standard Class	Prince Edward Island

	Sub-Category	Discount	Profit	Quantity	Sales
0	Paper	0.2	5.5512	2	16.448
1	Binders	0.8	-5.4870	2	3.540
2	Labels	0.2	4.2717	3	11.784
3	Storage	0.2	-64.7748	3	272.736
4	Art	0.2	4.8840	3	19.536
...
10189	Binders	0.2	19.7910	3	52.776
10190	Binders	0.2	6.4750	2	20.720
10191	Fasteners	0.2	-0.6048	3	3.024
10192	Phones	0.0	2.7279	7	90.930
10193	Binders	0.2	-0.6048	3	3.024

[10194 rows x 19 columns]

store[0:50:10]

	Category	City	Country/Region	Customer Name \
0	Office Supplies	Houston	United States	Darren Powers
10	Office Supplies	Henderson	United States	Maria Etezadi
20	Furniture	Dover	United States	Seth Vernon
30	Office Supplies	San Francisco	United States	Brian Dahlen
40	Office Supplies	Scottsdale	United States	Toby Swindell

	Manufacturer	Order Date	Order ID	Postal Code \
0	Message Book	03-01-2020	US-2020-103800	77095
10	Southworth	06-01-2020	US-2020-167199	42420
20	DAX	11-01-2020	US-2020-130092	19901
30	Tennsco	13-01-2020	US-2020-157147	94109
40	GBC	19-01-2020	US-2020-146591	85254

	Product Name	Region
Segment \		
0	Message Book, Wirebound, Four 5 1/2" X 4" Form...	Central
Consumer		
10	Southworth 25% Cotton Granite Paper & Envelopes	South Home
Office		
20	DAX Value U-Channel Document Frames, Easel Back	East
Consumer		
30	Tennsco 6- and 18-Compartment Lockers	West
Consumer		
40	GBC Standard Recycled Report Covers, Clear Pla...	West
Consumer		

	Ship Date	Ship Mode	State/Province	Sub-Category	Discount \
0	07-01-2020	Standard Class	Texas	Paper	0.2
10	10-01-2020	Standard Class	Kentucky	Paper	0.0
20	14-01-2020	First Class	Delaware	Furnishings	0.0
30	18-01-2020	Standard Class	California	Storage	0.0
40	20-01-2020	First Class	Arizona	Binders	0.7

	Profit	Quantity	Sales
0	5.5512	2	16.448
10	3.0084	1	6.540
20	3.0814	2	9.940
30	238.6530	5	1325.850
40	-23.7160	10	32.340

```
store.head(1)
```

	Category	City	Country/Region	Customer Name
0	Office Supplies	Houston	United States	Darren Powers

Message Book

	Order Date	Order ID	Postal Code	\
0	03-01-2020	US-2020-103800	77095	

	Product Name	Region
0	Message Book, Wirebound, Four 5 1/2" X 4" Form...	Central

Consumer

	Ship Date	Ship Mode	State/Province	Sub-Category	Discount
0	07-01-2020	Standard Class	Texas	Paper	0.2

5.5512

	Quantity	Sales
0	2	16.448

```
store['Category']
```

0	Office Supplies
1	Office Supplies
2	Office Supplies
3	Office Supplies
4	Office Supplies

```

10189    Office Supplies
10190    Office Supplies
10191    Office Supplies
10192    Technology
10193    Office Supplies
Name: Category, Length: 10194, dtype: object

```

```
store[['Category', 'City', 'Customer Name']]
```

	Category	City	Customer Name
0	Office Supplies	Houston	Darren Powers
1	Office Supplies	Naperville	Phillina Ober
2	Office Supplies	Naperville	Phillina Ober
3	Office Supplies	Naperville	Phillina Ober
4	Office Supplies	Philadelphia	Mick Brown
...
10189	Office Supplies	New York City	Patrick O'Donnell
10190	Office Supplies	Fairfield	Erica Bern
10191	Office Supplies	Loveland	Jill Matthias
10192	Technology	New York City	Patrick O'Donnell
10193	Office Supplies	Charlottetown	Harry Olson

```
[10194 rows x 3 columns]
```

```
store.columns
```

```

Index(['Category', 'City', 'Country/Region', 'Customer Name',
      'Manufacturer',
      'Order Date', 'Order ID', 'Postal Code', 'Product Name',
      'Region',
      'Segment', 'Ship Date', 'Ship Mode', 'State/Province', 'Sub-
      Category',
      'Discount', 'Profit', 'Quantity', 'Sales'],
      dtype='object')

```

```
store.dtypes
```

Category	object
City	object
Country/Region	object
Customer Name	object
Manufacturer	object
Order Date	object
Order ID	object
Postal Code	object
Product Name	object
Region	object
Segment	object
Ship Date	object
Ship Mode	object


```
State/Province    object
Sub-Category      object
Discount          float64
Profit            float64
Quantity          int64
Sales             float64
dtype: object
```

```
store_num = store[['Discount', 'Profit', 'Quantity', 'Sales']]
store_num
```

	Discount	Profit	Quantity	Sales
0	0.2	5.5512	2	16.448
1	0.8	-5.4870	2	3.540
2	0.2	4.2717	3	11.784
3	0.2	-64.7748	3	272.736
4	0.2	4.8840	3	19.536
...
10189	0.2	19.7910	3	52.776
10190	0.2	6.4750	2	20.720
10191	0.2	-0.6048	3	3.024
10192	0.0	2.7279	7	90.930
10193	0.2	-0.6048	3	3.024

```
[10194 rows x 4 columns]
```

```
store.columns
```

```
Index(['Category', 'City', 'Country/Region', 'Customer Name',
      'Manufacturer',
      'Order Date', 'Order ID', 'Postal Code', 'Product Name',
      'Region',
      'Segment', 'Ship Date', 'Ship Mode', 'State/Province', 'Sub-
      Category',
      'Discount', 'Profit', 'Quantity', 'Sales'],
      dtype='object')
```

```
store_cate = store[['Category', 'City', 'Country/Region', 'Customer
Name', 'Manufacturer',
                    'Order Date', 'Order ID', 'Postal Code', 'Product
Name', 'Region', 'Segment',
                    'Ship Date', 'Ship Mode', 'State/Province', 'Sub-
Category'
                    ]]
```

```
store_cate.dtypes
```

```
Category    object
City         object
Country/Region object
Customer Name object
```

```
Manufacturer      object
Order Date        object
Order ID          object
Postal Code       object
Product Name      object
Region           object
Segment          object
Ship Date         object
Ship Mode         object
State/Province    object
Sub-Category      object
dtype: object

store['Profit'].mean()

28.673417166960963

store['Profit'].median()

8.69

store['Profit'].mode()

0      0.0
Name: Profit, dtype: float64

store['Profit'].var()

54040.02971828826

store['Profit'].std()

232.46511505662147
```