

```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
from google.colab import files
```

```
# Load the dataset with the correct encoding
df = pd.read_csv('/content/superstore_final_dataset.csv',

# View first few rows
df.head()
```



	Row_ID	Order_ID	Order_Date	Ship_Date	Ship_Moc
0	1	CA-2017-152156	8/11/2017	11/11/2017	Secor Clas
1	2	CA-2017-152156	8/11/2017	11/11/2017	Secor Clas
2	3	CA-2017-138688	12/6/2017	16/06/2017	Secor Clas
3	4	US-2016-108966	11/10/2016	18/10/2016	Standar Clas
4	5	US-2016-108966	11/10/2016	18/10/2016	Standar Clas

Next steps:

[Generate code with df](#)
[View recommended plots](#)

```
# Load the dataset with the correct encoding
df = pd.read_csv('/content/superstore_final_dataset.csv')

# View first few rows
df.head()
```

superstore_final_dataset (1).csv > ...

1 to 10 of 9800 entries

Filter

Row_ID	Order_ID	Order_Date	Ship_
1	CA-2017-152156	8/11/2017	11/11/2017
2	CA-2017-152156	8/11/2017	11/11/2017
3	CA-2017-138688	12/6/2017	16/06/2017
4	US-2016-108966	11/10/2016	18/10/2016
5	US-2016-108966	11/10/2016	18/10/2016
6	CA-2015-115812	9/6/2015	14/06/2015
7	CA-2015-115812	9/6/2015	14/06/2015
8	CA-2015-115812	9/6/2015	14/06/2015
9	CA-2015-115812	9/6/2015	14/06/2015
10	CA-2015-115812	9/6/2015	14/06/2015

Show 10 per page

1

2

10

100

900

970

980



	Row_ID	Order_ID	Order_Date	Ship_Date	Ship_Moc
0	1	CA-2017-152156	8/11/2017	11/11/2017	Secor Clas
1	2	CA-2017-152156	8/11/2017	11/11/2017	Secor Clas
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Next
steps:

[Generate code with df](#)[View recommended plots](#)

```
# Check shape and data types
print("Shape:", df.shape)
print("\nInfo:")
print(df.info())
```

```
# Summary statistics
df.describe()
```

➡ Shape: (9800, 18)

Info:

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

RangeIndex: 9800 entries, 0 to 9799

Data columns (total 18 columns):

#	Column	Non-Null Count	Dtype
0	Row_ID	9800 non-null	int64
1	Order_ID	9800 non-null	object
2	Order_Date	9800 non-null	object
3	Ship_Date	9800 non-null	object
4	Ship_Mode	9800 non-null	object
5	Customer_ID	9800 non-null	object
6	Customer_Name	9800 non-null	object
7	Segment	9800 non-null	object
8	Country	9800 non-null	object
9	City	9800 non-null	object
10	State	9800 non-null	object
11	Postal_Code	9789 non-null	float64
12	Region	9800 non-null	object
13	Product_ID	9800 non-null	object
14	Category	9800 non-null	object
15	Sub_Category	9800 non-null	object
16	Product_Name	9800 non-null	object
17	Sales	9800 non-null	float64

dtypes: float64(2), int64(1), object(15)

memory usage: 1.3+ MB

None

	Row_ID	Postal_Code	Sales
count	9800.000000	9789.000000	9800.000000
mean	4900.500000	55273.322403	230.769059
std	2829.160653	32041.223413	626.651875
min	1.000000	1040.000000	0.444000
25%	2450.750000	23223.000000	17.248000
50%	4900.500000	58103.000000	54.490000
75%	7350.250000	90008.000000	210.605000
max	9800.000000	99301.000000	22638.480000

Total missing values

df.isnull().sum()

Optionally drop or fill missing values if needed

df = df.dropna()

df = df.fillna(method='ffill')

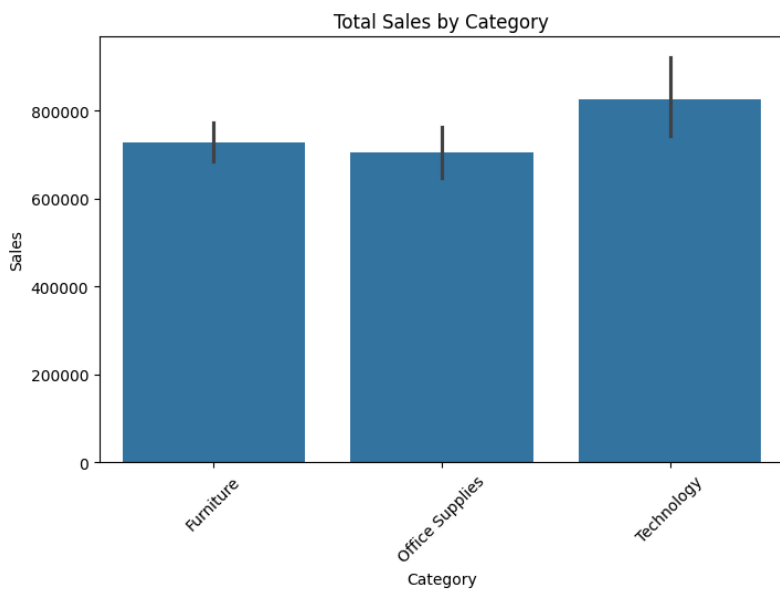


	0
Row_ID	0
Order_ID	0
Order_Date	0
Ship_Date	0
Ship_Mode	0
Customer_ID	0
Customer_Name	0
Segment	0
Country	0
City	0
State	0
Postal_Code	11
Region	0
Product_ID	0
Category	0
Sub_Category	0
Product_Name	0
Sales	0

dtype: int64

```
# Clean column names
df.columns = df.columns.str.strip().str.replace(" ", "_")
```

```
plt.figure(figsize=(8,5))
sns.barplot(data=df, x='Category', y='Sales', estimator=
plt.title('Total Sales by Category')
plt.xticks(rotation=45)
plt.show()
```

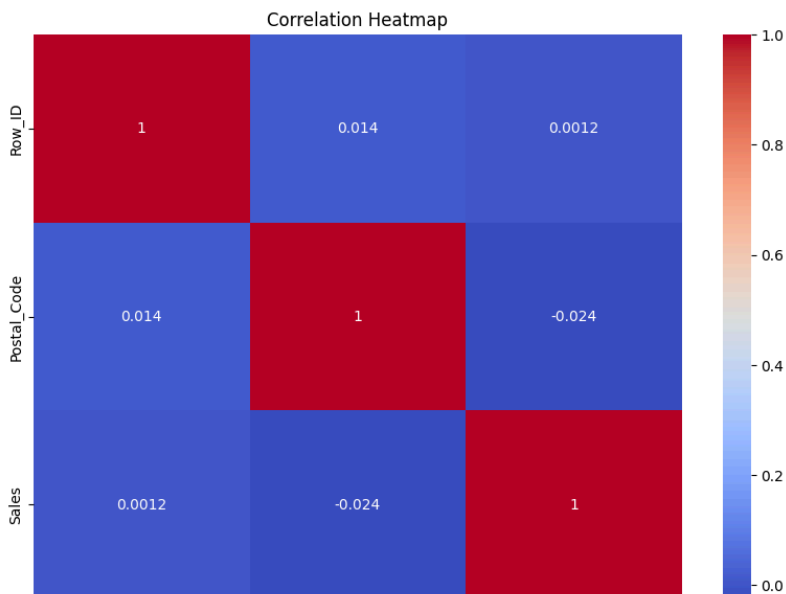


```
print(df.columns.tolist())
```



```
['Row_ID', 'Order_ID', 'Order_Date', 'Ship_Date', 'S
```

```
plt.figure(figsize=(10,7))
sns.heatmap(df.corr(numeric_only=True), annot=True, cmap
plt.title("Correlation Heatmap")
plt.show()
```



```
df.to_csv('cleaned_superstore_data.csv', index=False)
files.download('cleaned_superstore_data.csv')
```



```
df.to_csv('cleaned_superstore_data.csv', index=False)
```

```
from google.colab import files
files.download('cleaned_superstore_data.csv')
```