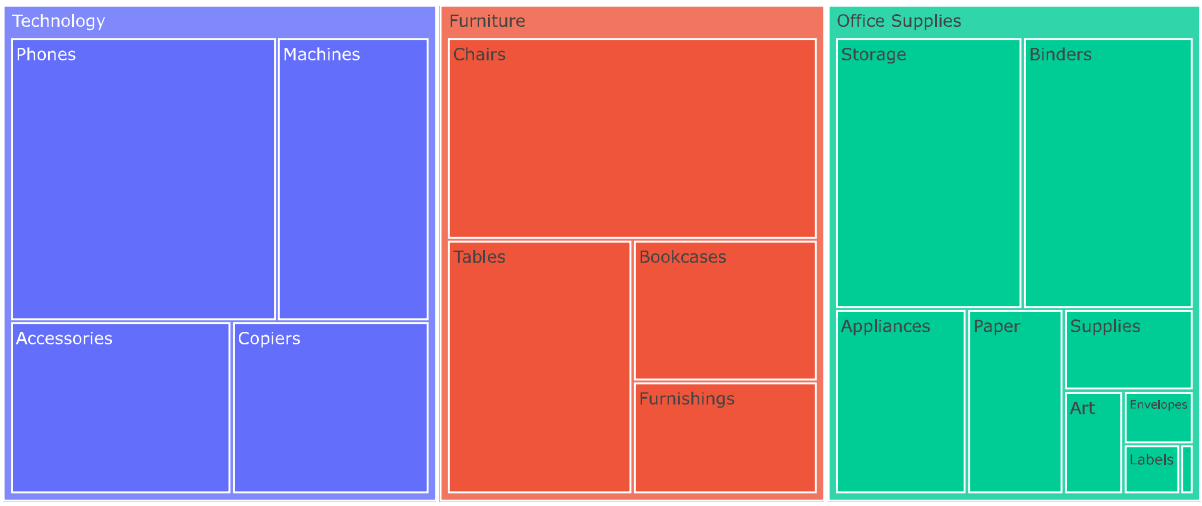
```
import pandas as pd
import seaborn as sns
d=pd.read_excel("/content/super2.xlsx")
d.head()
```

| | Row ID | Order ID | Order Date | Ship Date | Ship Mode | Customer ID | Customer Name | Segment | Country | City | ... | Postal Code | Region | Product ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1 | CA-2016-152156 | 2016-08-11 00:00:00 | 2016-11-11 00:00:00 | Second Class | CG-12520 | Claire Gute | Consumer | United States | Henderson | ... | 42420 | South | FUR-BO-10001798 |
| 1 | 2 | CA-2016-152156 | 2016-08-11 00:00:00 | 2016-11-11 00:00:00 | Second Class | CG-12520 | Claire Gute | Consumer | United States | Henderson | ... | 42420 | South | FUR-CH-10000454 |
| 2 | 3 | CA-2016-138688 | 2016-12-06 00:00:00 | 6/16/2016 | Second Class | DV-13045 | Darrin Van Huff | Corporate | United States | Los Angeles | ... | 90036 | West | OFF-LA-10000240 |
| 3 | 4 | US-2015-108966 | 2015-11-10 00:00:00 | 10/18/2015 | Standard Class | SO-20335 | Sean O'Donnell | Consumer | United States | Fort Lauderdale | ... | 33311 | South | FUR-TA-10000577 |
| 4 | 5 | US-2015-108966 | 2015-11-10 00:00:00 | 10/18/2015 | Standard Class | SO-20335 | Sean O'Donnell | Consumer | United States | Fort Lauderdale | ... | 33311 | South | OFF-ST-10000760 |

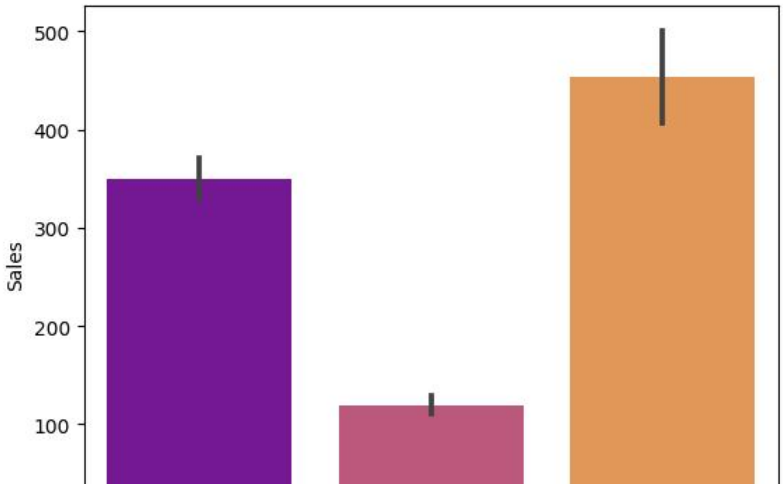
5 rows x 21 columns

```
import plotly.express as px
fig = px.treemap(d, path=["Category","Sub-Category"],
                 values='Sales')
fig.show()
```



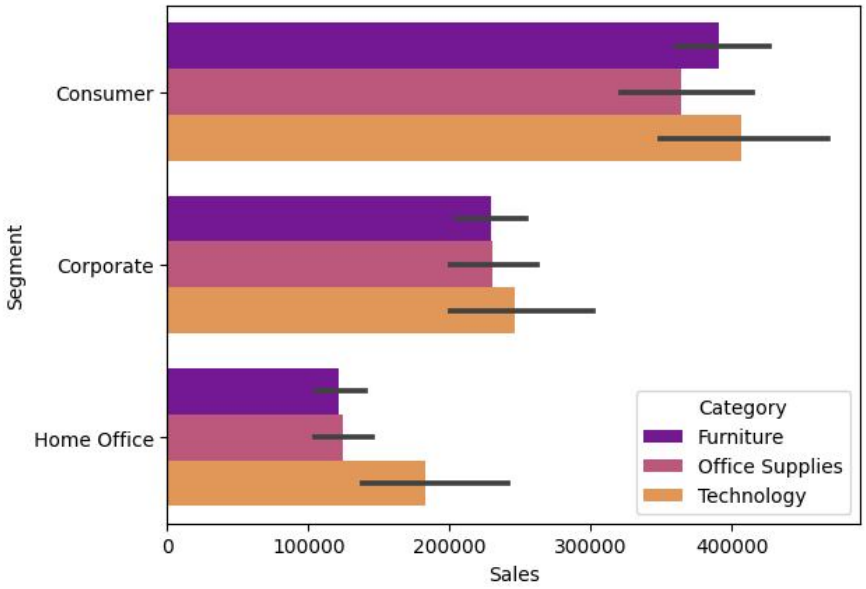

```
sns.barplot(x='Category',y='Sales',data=d,palette='plasma',orient='v')
```

```
<Axes: xlabel='Category', ylabel='Sales'>
```



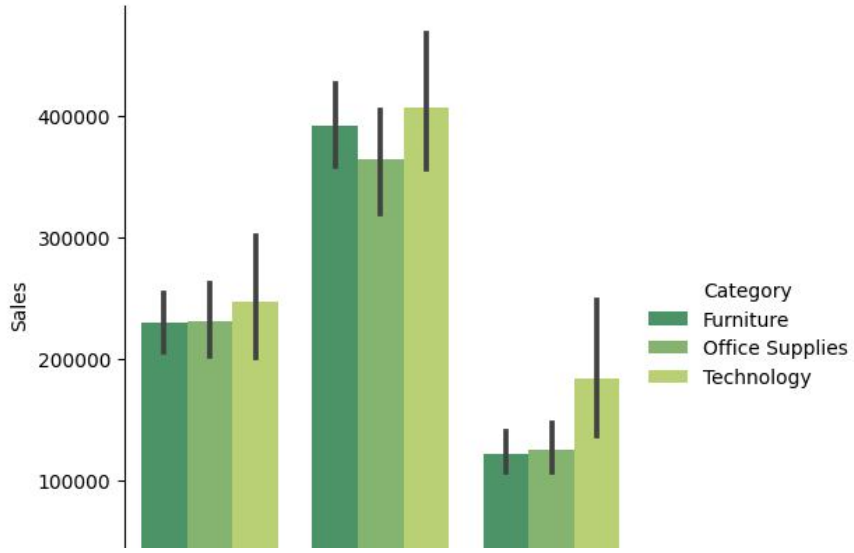

```
sns.barplot(x='Sales',y='Segment',data=d,palette='plasma',
            orient='h',hue='Category',estimator=sum)
```

```
<Axes: xlabel='Sales', ylabel='Segment'>
```



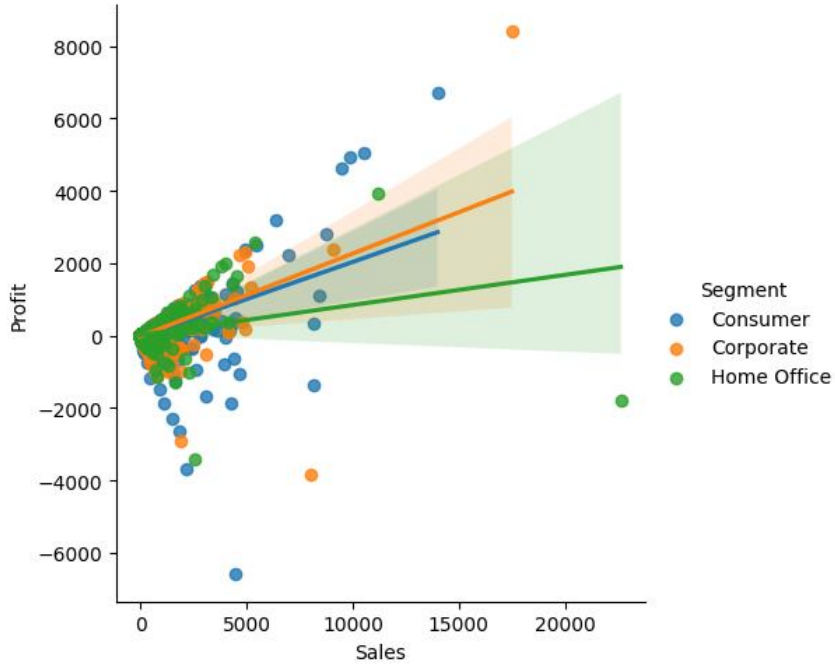

```
sns.catplot(y='Sales',x='Segment',data=d,palette='summer',
            orient='v',hue='Category',estimator=sum,
            order=['Corporate','Consumer','Home Office'],kind='bar')
```

```
<seaborn.axisgrid.FacetGrid at 0x7fe4f34cfdf0>
```



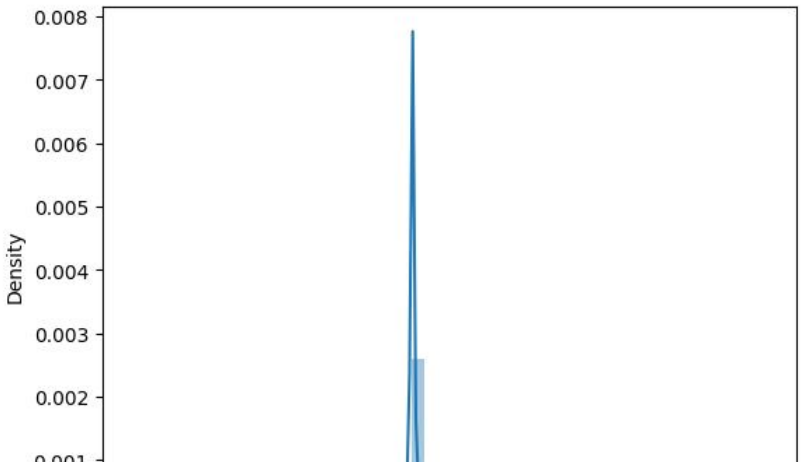

```
sns.lmplot(data=d,x='Sales',y='Profit',hue='Segment')
```

```
<seaborn.axisgrid.FacetGrid at 0x7fe4ef562860>
```

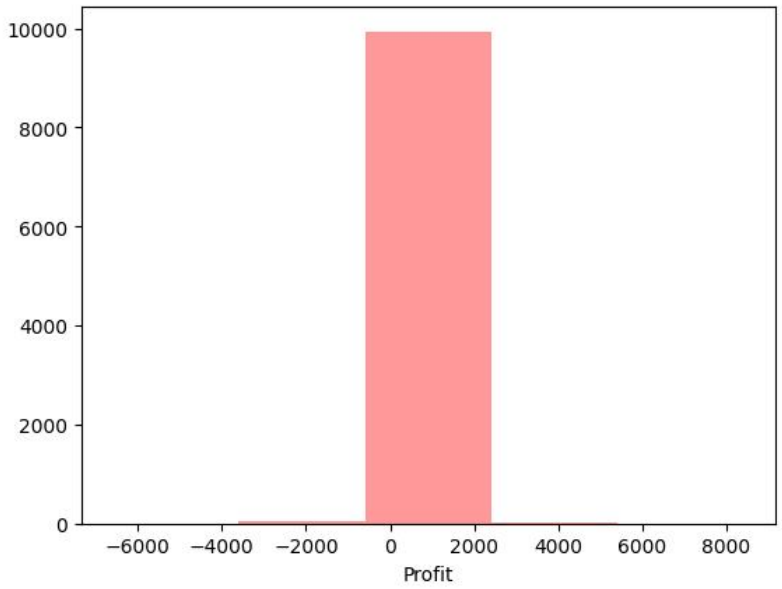



```
sns.distplot(d.Profit)
```

```
<ipython-input-17-7f68a0e4b385>:1: UserWarning:

`distplot` is a deprecated function and will be removed in seaborn v0.14.0.

Please adapt your code to use either `displot` (a figure-level function with
similar flexibility) or `histplot` (an axes-level function for histograms).

For a guide to updating your code to use the new functions, please see
https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751

<Axes: xlabel='Profit', ylabel='Density'>
```




```
sns.distplot(d.Profit, bins=5, kde=False, color='r')

<ipython-input-18-740bb260929a>:1: UserWarning:

`distplot` is a deprecated function and will be removed in seaborn v0.14.0.

Please adapt your code to use either `displot` (a figure-level function with
similar flexibility) or `histplot` (an axes-level function for histograms).

For a guide to updating your code to use the new functions, please see
https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751

<Axes: xlabel='Profit'>
```




```
sns.kdeplot(d['Sales'], fill=True)
```

```
<Axes: xlabel='Sales', ylabel='Density'>
```