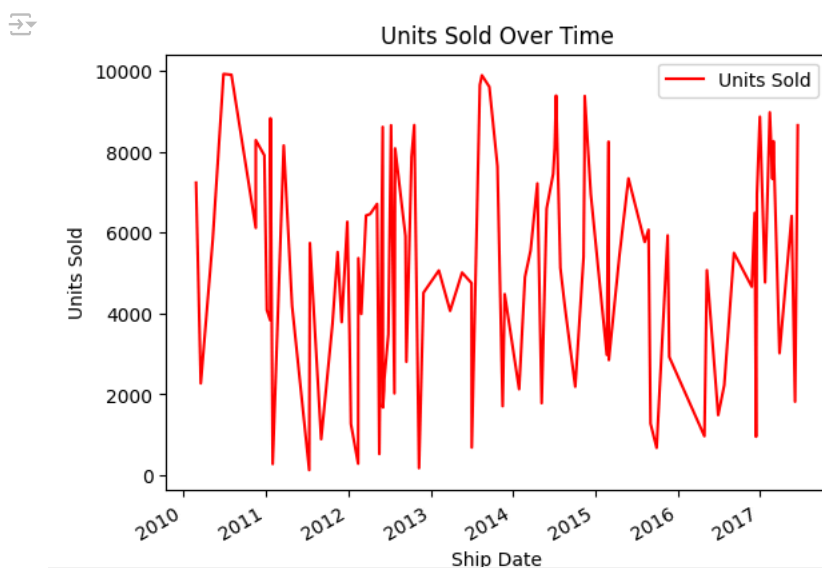


```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns

# Load Amazon Sales data csv file
df = pd.read_csv('/content/Amazon Sales data.csv')
df
```

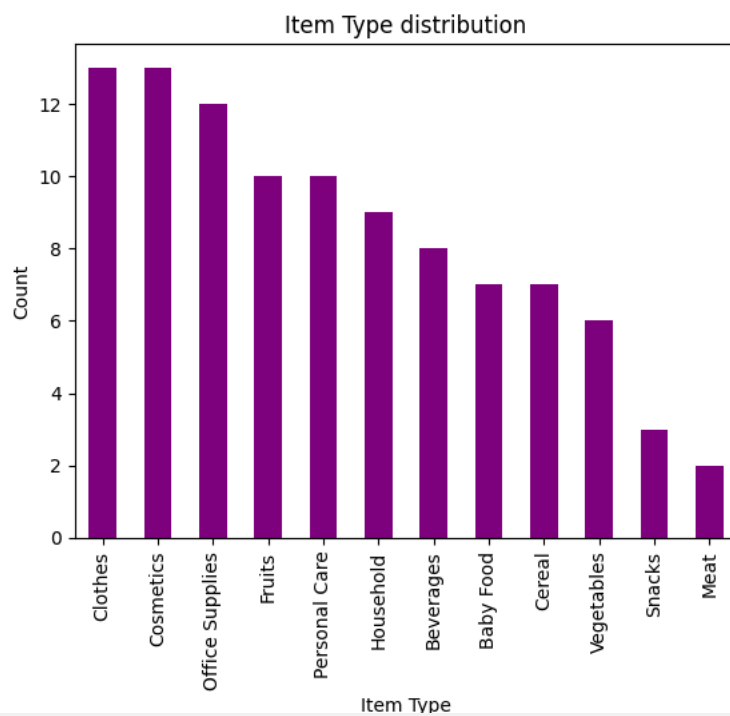
	Region	Country	Item Type	Sales Channel	Order Priority	Order Date	Order ID	Ship Date	Units Sold	Unit Price	Unit Cost	Total Revenue	Total Cost
0	Australia and Oceania	Tuvalu	Baby Food	Offline	H	5/28/2010	669165933	6/27/2010	9925	255.28	159.42	2533654.00	1582243.50
1	Central America and the Caribbean	Grenada	Cereal	Online	C	8/22/2012	963881480	9/15/2012	2804	205.70	117.11	576782.80	328376.44
2	Europe	Russia	Office Supplies	Offline	L	5/2/2014	341417157	5/8/2014	1779	651.21	524.96	1158502.59	933903.84
3	Sub-Saharan Africa	Sao Tome and Principe	Fruits	Online	C	6/20/2014	514321792	7/5/2014	8102	9.33	6.92	75591.66	56065.84
4	Sub-Saharan Africa	Rwanda	Office Supplies	Offline	L	2/1/2013	115456712	2/6/2013	5062	651.21	524.96	3296425.02	2657347.52
...
95	Sub-Saharan Africa	Mali	Clothes	Online	M	7/26/2011	512878119	9/3/2011	888	109.28	35.84	97040.64	31825.92
96	Asia	Malaysia	Fruits	Offline	L	11/11/2011	810711038	12/28/2011	6267	9.33	6.92	58471.11	43367.64

```
# Line plot of Units Sold Over Time
df['Ship Date'] = pd.to_datetime(df['Ship Date'])
df.plot(kind = 'line', x = 'Ship Date', y = 'Units Sold', color = 'red')
plt.title('Units Sold Over Time')
plt.xlabel('Ship Date')
plt.ylabel('Units Sold')
plt.show()
```

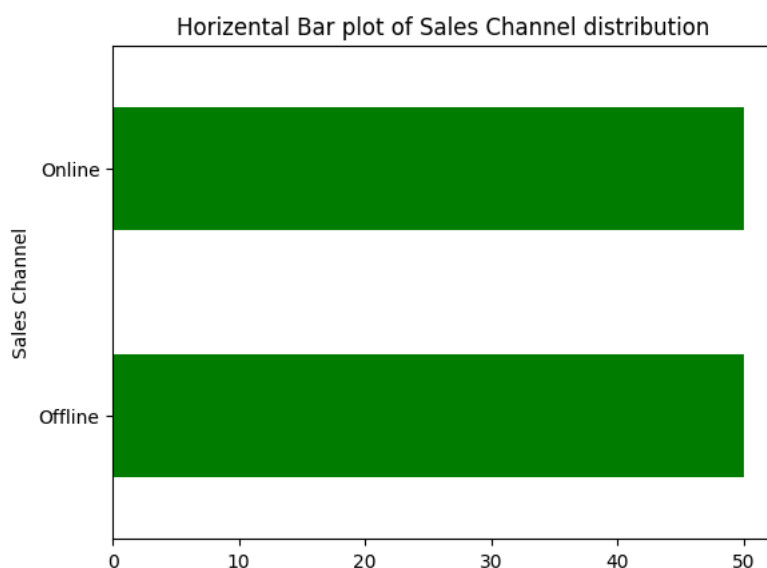


```
# Bar plot of Item Type distribution
df['Item Type'].value_counts().plot(kind='bar', color = 'purple')
plt.title('Item Type distribution')
plt.xlabel('Item Type')
plt.ylabel('Count')
```

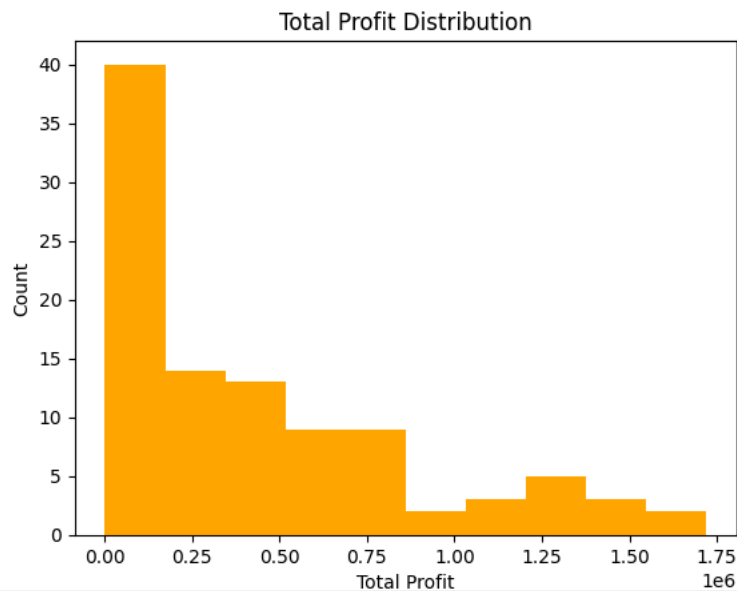
```
plt.show()
```



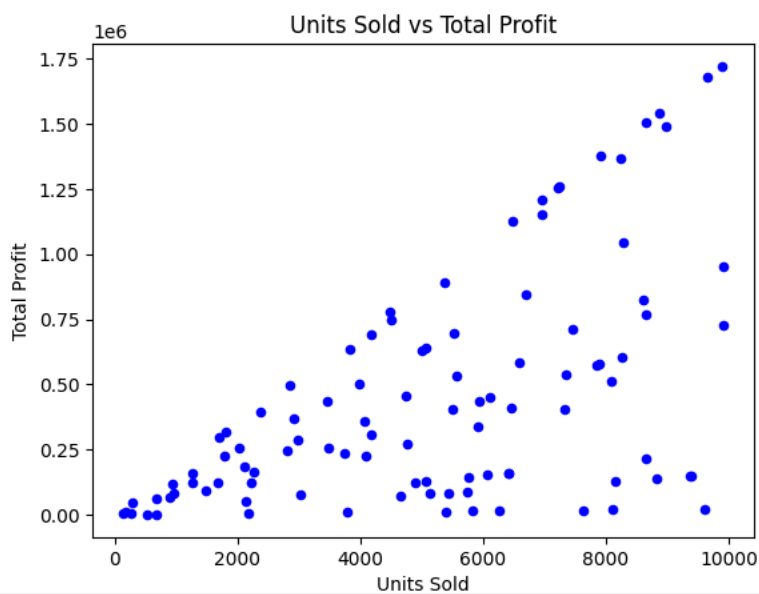
```
# Horizontal Sales Channel Distribution
df['Sales Channel'].value_counts().plot(kind='barh', color = 'green')
plt.title('Horizontal Bar plot of Sales Channel distribution')
plt.show()
```



```
# Histogram of Total Profit distribution
df['Total Profit'].plot(kind="hist", color='orange')
plt.title('Total Profit Distribution')
plt.xlabel('Total Profit')
plt.ylabel('Count')
plt.show()
```



```
# Scatter plot of Units Sold vs Total Profit
df.plot(kind = 'scatter', x = 'Units Sold', y = 'Total Profit', color = 'blue')
plt.title('Units Sold vs Total Profit')
plt.xlabel('Units Sold')
plt.ylabel('Total Profit')
plt.show()
```



```
# Pie chart of Country Distribution
df['Country'].value_counts().plot(kind="pie")
plt.title("Pie Chart of Country Distribution")
plt.show()
```

