

# Output

Dataset Shape: (401604, 9)

Dataset Info:

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 401604 entries, 0 to 401603
Data columns (total 9 columns):
 #  Column      Non-Null Count  Dtype  
 --- 
 0  InvoiceNo   401604 non-null  object 
 1  StockCode    401604 non-null  object 
 2  Description  401604 non-null  object 
 3  Quantity     401604 non-null  int64  
 4  InvoiceDate  401604 non-null  object 
 5  UnitPrice    401604 non-null  float64 
 6  CustomerID   401604 non-null  float64 
 7  Country      401604 non-null  object 
 8  Total_Sales  401604 non-null  float64 
dtypes: float64(3), int64(1), object(5)
memory usage: 27.6+ MB
```

None

First 5 Rows:

	InvoiceNo	StockCode	Description	Quantity	\
0	536365	85123A	WHITE HANGING HEART T-LIGHT HOLDER		6
1	536365	71053	WHITE METAL LANTERN	6	
2	536365	84406B	CREAM CUPID HEARTS COAT HANGER		8
3	536365	84029G	KNITTED UNION FLAG HOT WATER BOTTLE	6	
4	536365	84029E	RED WOOLLY HOTTIE WHITE HEART.	6	

	InvoiceDate	UnitPrice	CustomerID	Country	Total_Sales
0	2010-12-01 08:26:00	2.55	17850.0	United Kingdom	15.30
1	2010-12-01 08:26:00	3.39	17850.0	United Kingdom	20.34
2	2010-12-01 08:26:00	2.75	17850.0	United Kingdom	22.00
3	2010-12-01 08:26:00	3.39	17850.0	United Kingdom	20.34
4	2010-12-01 08:26:00	3.39	17850.0	United Kingdom	20.34

Missing Values:

InvoiceNo 0

StockCode 0

Description 0

Quantity 0

InvoiceDate 0

UnitPrice 0

CustomerID 0

Country 0

Total\_Sales 0

Year 0

Month 0

dtype: int64

Summary Statistics:

	Quantity	InvoiceDate	UnitPrice	\
count	401604.000000	401604	401604.000000	
mean	12.183273	2011-07-10 12:08:23.848567552	3.474064	
min	-80995.000000	2010-12-01 08:26:00	0.000000	
25%	2.000000	2011-04-06 15:02:00	1.250000	
50%	5.000000	2011-07-29 15:40:00	1.950000	
75%	12.000000	2011-10-20 11:58:30	3.750000	

```
max    80995.000000      2011-12-09 12:50:00  38970.000000
std     250.283037           NaN      69.764035
```

	CustomerID	Total_Sales	Year	Month
count	401604.000000	401604.000000	401604.000000	401604.000000
mean	15281.160818	20.613638	2010.934378	7.595407
min	12346.000000	-168469.600000	2010.000000	1.000000
25%	13939.000000	4.250000	2011.000000	5.000000
50%	15145.000000	11.700000	2011.000000	8.000000
75%	16784.000000	19.800000	2011.000000	11.000000
max	18287.000000	168469.600000	2011.000000	12.000000
std	1714.006089	430.352218	0.247620	3.417451

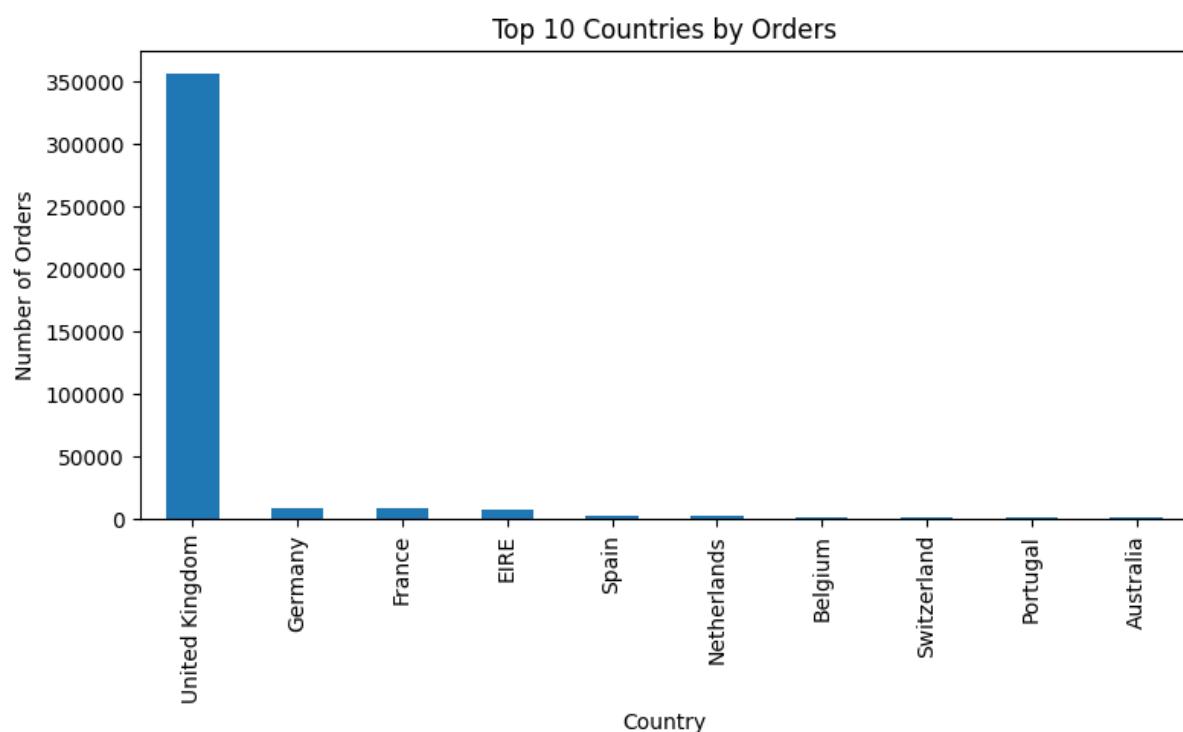
#### ===== KPI SUMMARY =====

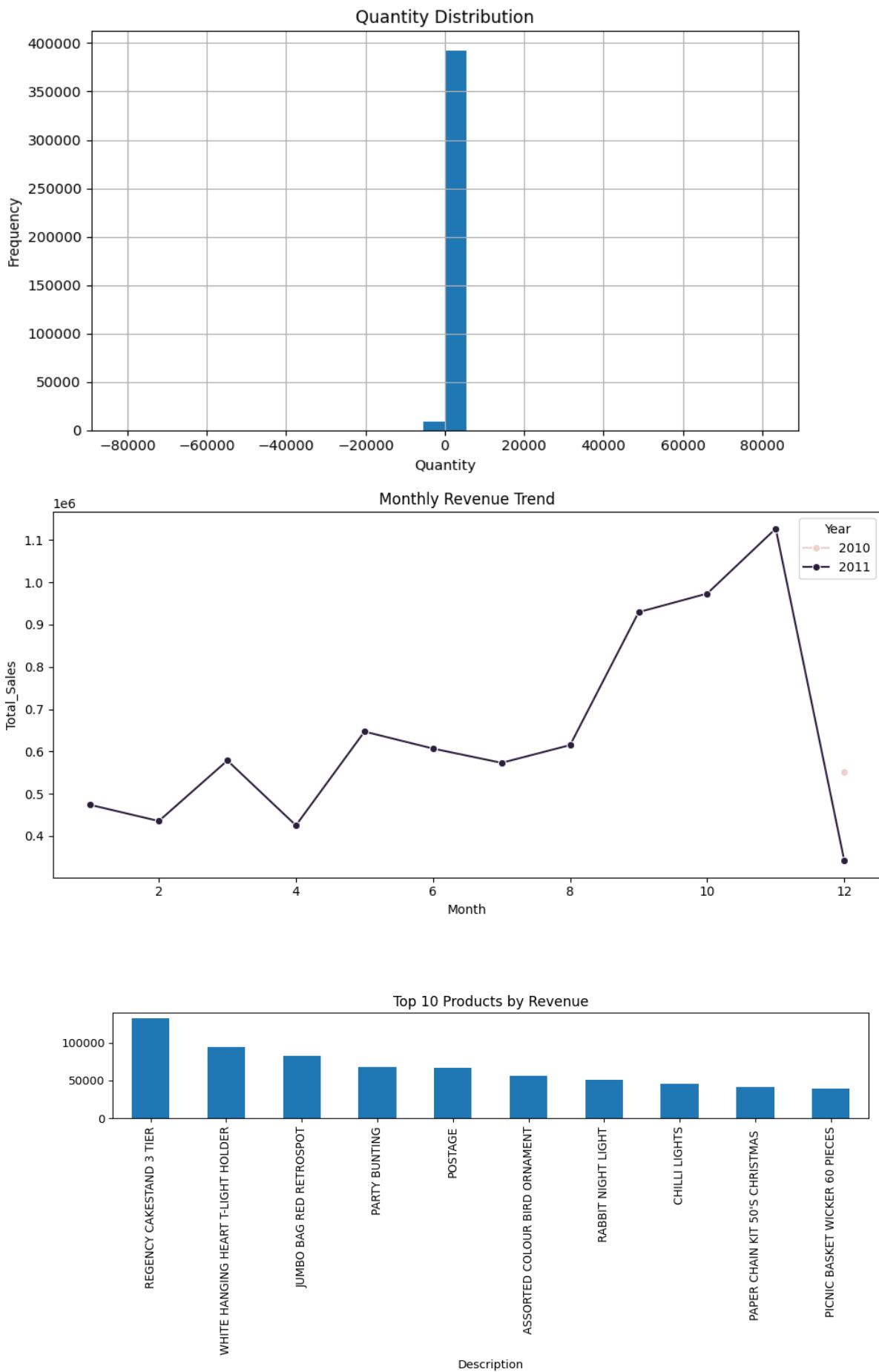
Total Revenue: 8278519.42

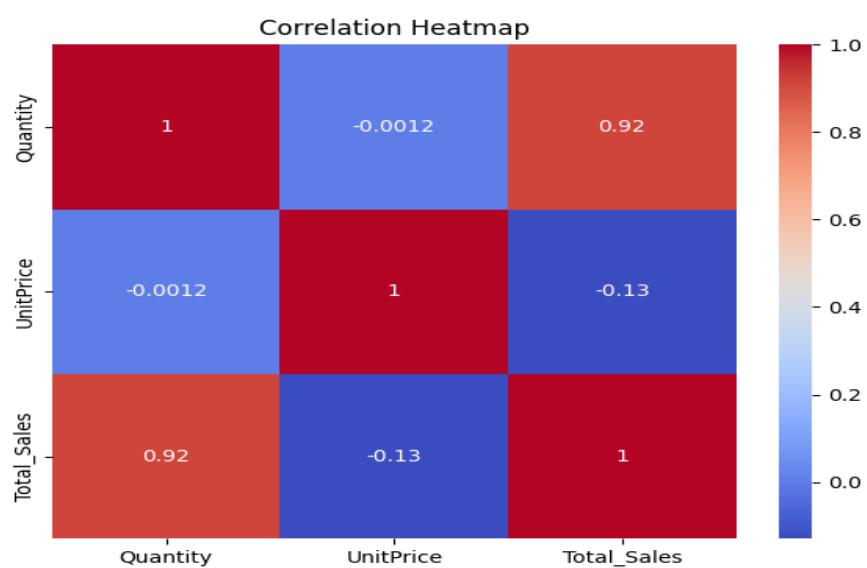
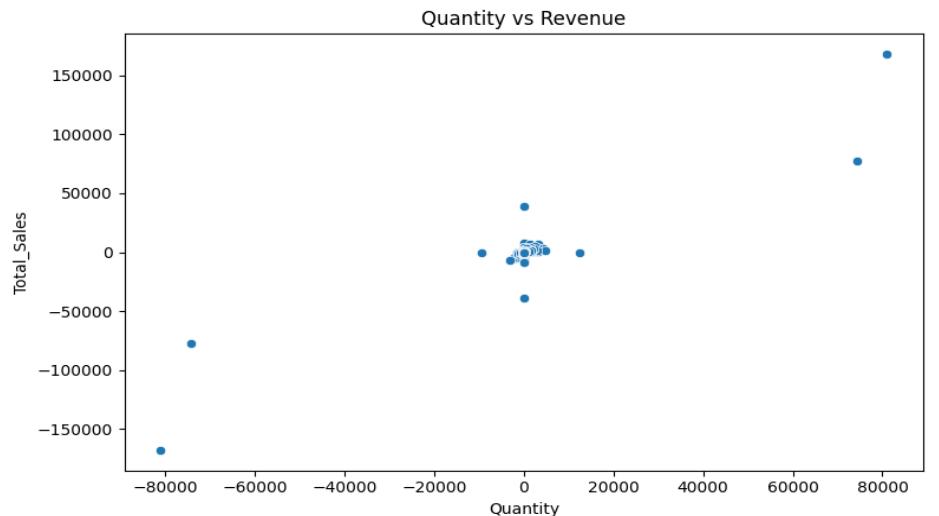
Total Orders: 22190

Total Customers: 4372

Average Order Value: 20.61







Top 5 Countries by Revenue:

Country

United Kingdom

6747156.154

Netherlands 284661.540

EIRE 250001.780

Germany 221509.470

France 196626.050

Name: Total\_Sales, dtype: float64

✓ Task-2 EDA Completed Successfully!