E-Commerce - EDA - Python Project

Context of Data

- Company UK-based and registered non-store online retail
- Products for selling Mainly all-occasion gifts
- Customers Most are wholesalers (local or international)
- Transactions Period 1st Dec 2010 9th Dec 2011 (One year)

Problem Statements:

- 1. Perform Basic EDA
 - a. Boxplot All Numeric Variables
 - b. Histogram All Numeric Variables
 - c. Distribution Plot All Numeric Variables
 - d. Aggregation for all numerical Columns
 - e. Unique Values across all columns
 - f. Duplicate values across all columns
 - g. Correlation Heatmap All Numeric Variables
 - h. Regression Plot All Numeric Variables
 - i. Bar Plot Every Categorical Variable vs every Numerical Variable
 - j. Pair plot All Numeric Variables
 - k. Line chart to show the trend of data All Numeric/Date Variables
 - I. Plot the skewness All Numeric Variables
- Check for missing values in all columns and replace them with the appropriate metric (Mean/Median/Mode)
- 3. Remove duplicate rows
- 4. Remove rows which have negative values in Quantity column
- 5. Add the columns Month, Day and Hour for the invoice
- 6. How many orders made by the customers?
- 7. TOP 5 customers with higher number of orders
- 8. How much money spent by the customers?
- 9. TOP 5 customers with highest money spent
- 10. How many orders per month?
- 11. How many orders per day?
- 12. How many orders per hour?
- 13. How many orders for each country?
- 14. Orders trend across months
- 15. How much money spent by each country?