
Data Summary

The company mainly sells unique all-occasion gift-ware.
Many customers of the company are wholesalers.

Attributes Informations:

InvoiceNo	6-digit integral number uniquely assigned to each transaction. If this code starts with the
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StockCode	Nominal. A 5-digit integral number uniquely assigned to each distinct product.
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Description	Product (item) name.
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Quantity	The quantities of each product (item) per transaction.
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InvoiceDate	Invoice date and time. Numeric. The day and time when a transaction was generate
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UnitPrice	Product price per unit in sterling (£).
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CustomerID	A 5-digit integral number uniquely assigned to each customer.
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Country	The name of the country where a customer resides.
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EDA

Cleaning:

- ❖ filling the empty Description field with “others”.
- ❖ create a new column Registration to identify type of customers and fill null values in customer column
- ❖ Create a total price column from unit price and quantity
- ❖ add year, month, day, hour columns from invoice date

```
InvoiceNo      0
StockCode      0
Description    1454
Quantity       0
InvoiceDate    0
UnitPrice      0
CustomerID     135080
Country        0
```

```
InvoiceNo      0
StockCode      0
Description     0
Quantity       0
InvoiceDate    0
UnitPrice      0
CustomerID     0
Country        0
Registered     0
Total_price    0
Invoice_Year   0
Invoice_month  0
Invoice_day    0
hour           0
```