

Swadit's EDA

On the given Dataset



1. Various Insights



1. We have 3544 unique StockCodes and 3731 unique DescriptionIds which aligns with the fact that the retailer sells many different types of products.
2. We can see that our top 20 most frequent stockcodes and descriptions generally match up with each other in terms of level of frequency so we can say it is true that majority of the descriptions are consistent with the stockcodes except for some exceptions causing slight differences in the amount of stockcodes vs descriptions
3. It is clear that the vast majority of transactions take place in the Country35. Lets see if our top 20 Customers purchase their items in the Country35 or in other countries.

4. It looks like we will be able to keep more than 95% of our data with a max quantity set at 55.

5. We can see that November is the highest revenue month for the company followed by October and then September. This could be because these are the months leading up to the holiday months where it is more likely people will be buying gifts and business increasing their inventory. It should be noted that the company considers many of their customers to be wholesalers indicating that customers are likely preparing for the holiday season by purchasing more products.

6. We can see that StockCode 1292 contributed the most to revenue by over \$50000.

Lets take a look at a sample of the transactions for StockCode 1292 to see if there are any clues that can explain why it's contribution to revenue is so high --it's high contribution to revenue would be the relatively high UnitPrice compared to the rest of the products. This allows it to generate more revenue in lower quantities being sold. The other data features seem to be relatively random and so without further information we can make any more inferences.

2. Tech Stack For Website



FRONT END

HTML



CSS



django



DATABASE



Thanks!

Actually wanted to implement the whole Website - with Front-End, Back-End and display my EDA there itself. But, able to submit only the Data Science part.

Can surely help in development part, on getting selected and getting to furbish my skills

