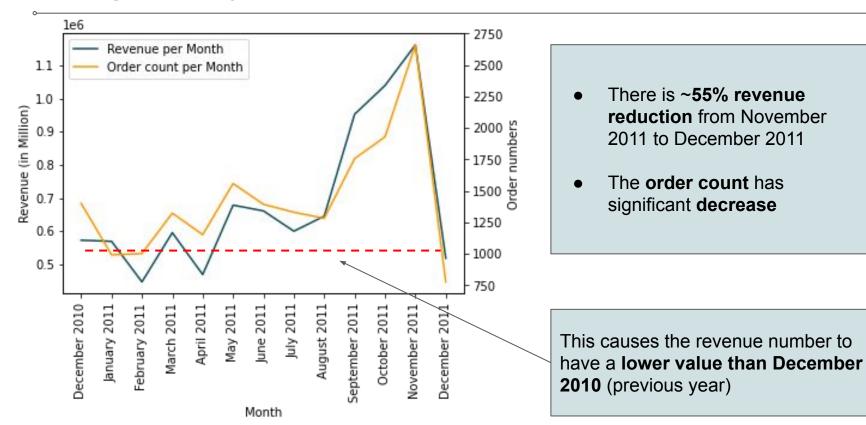
E-Commerce Data Exploration Diva Awanisa

Prelude

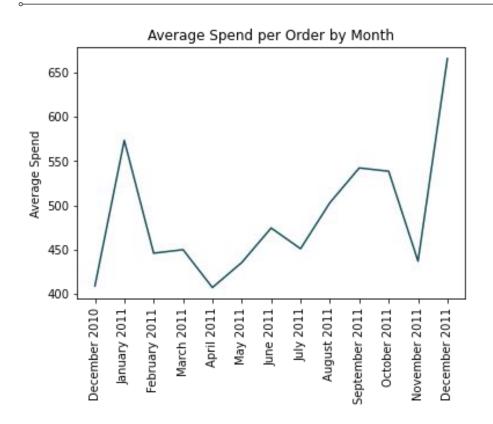
- This will be the presentation report for the e-commerce exploratory data analysis
- The data is from Kaggle → https://www.kaggle.com/datasets/carrie1/ecommerce-data
- The data is processed using Python. The python notebook can be accessed here: (insert link)

Current State

The revenue number tends to be increasing throughout the year, but significantly dropped at the end of 2011

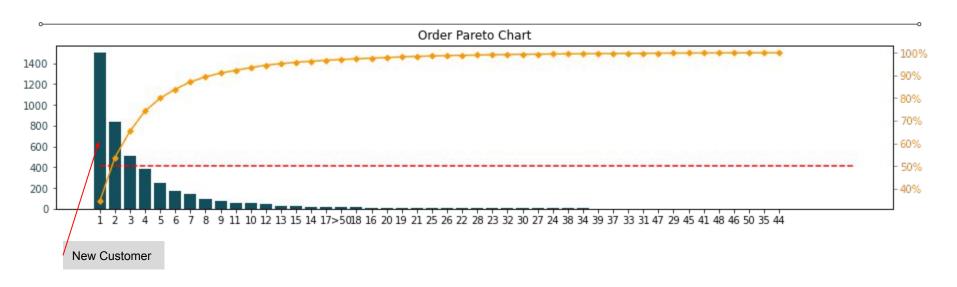


Despite the decreasing number of revenue and order volume, the average spend per order is increasing at the end of the year



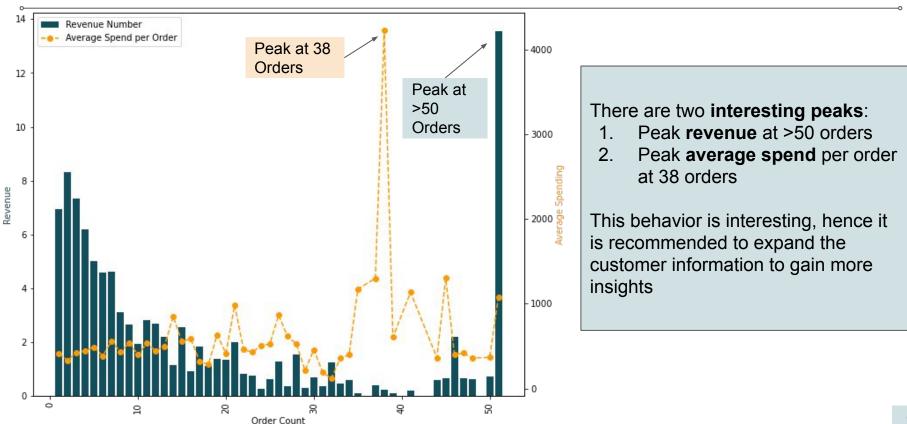
The average spend per order for December is at the highest throughout the year, meaning that the revenue drop is not caused by the lowering spending value

~50% customers are recurring (or returning) customer

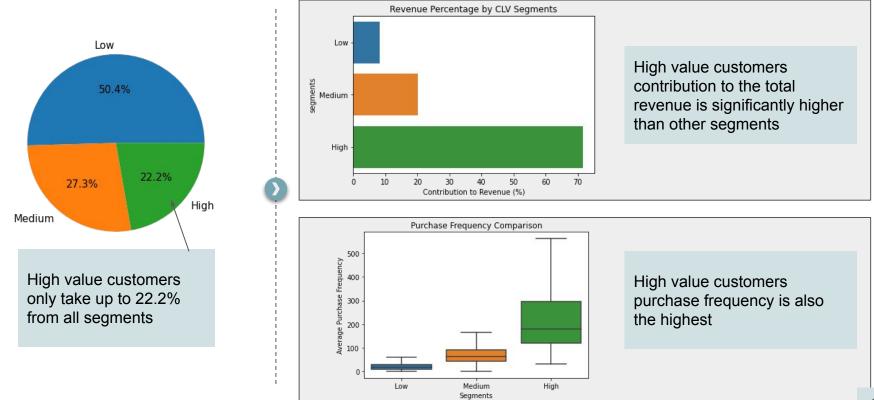


New customers only take up $\sim 55\%$ from overall orders which means that almost 50% orders are coming from recurring customer

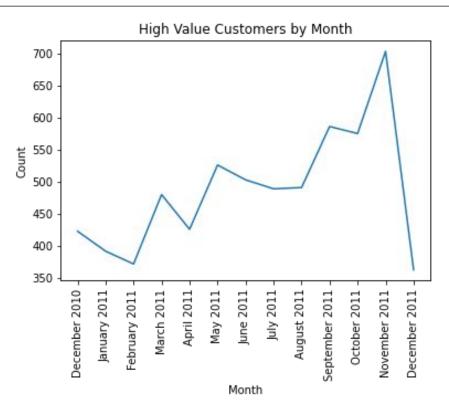
Revenue tends to decrease as order count is increasing



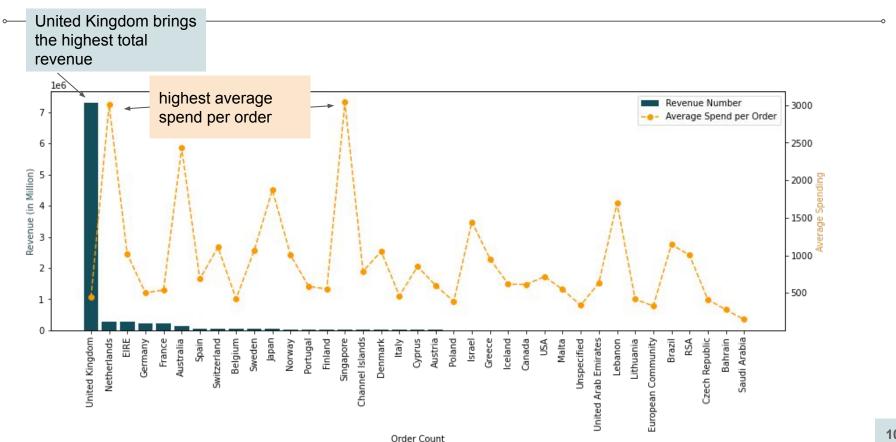
High value customers contribute the highest to the total revenue despite the low number from overall customers



The High value customer number is decreasing at the end of the year



United kingdom contributes the highest to the total revenue



Recommendations

Goal	Current State	Proposal
Increasing Order Volume	 Total revenue is decreasing Total order is decreasing Recurring customer almost take up 50% overall order High value customer contributes found to be the most profitable despite the low number 	 Increase engagement with high value recurring customer, as they are more loyal and profitable to the company. Engagement suggestion: Find the characteristic for the customer segment and make marketing suggestion based on the characteristic Create bundles to increase upselling and cross-selling Dig deeper to unique customer purchasing behavior by expanding the exploration to customer demography