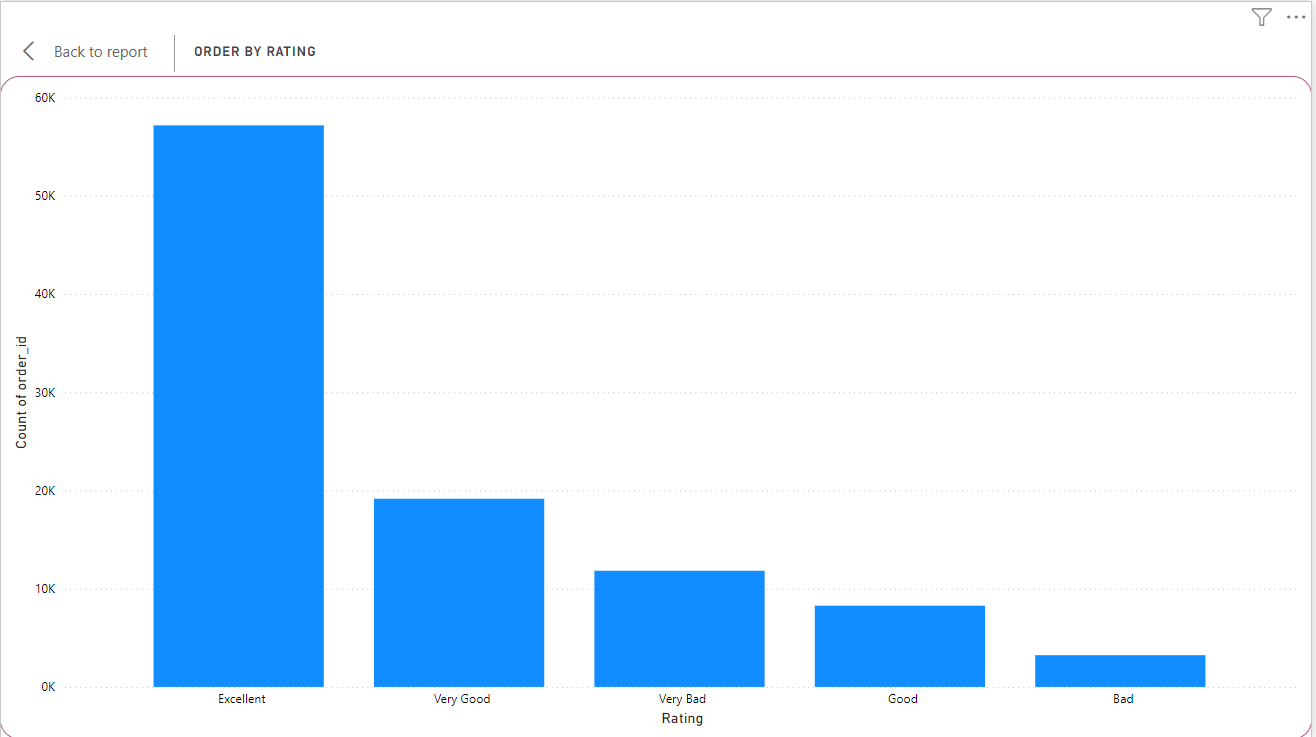
**ShopNest Store Dashboard**

1. Identify the rating distribution in the Shop\_Nest dataset, showcasing ratings categorized as Excellent, Very Good, Good, Bad, and Very Bad, along with corresponding orders.



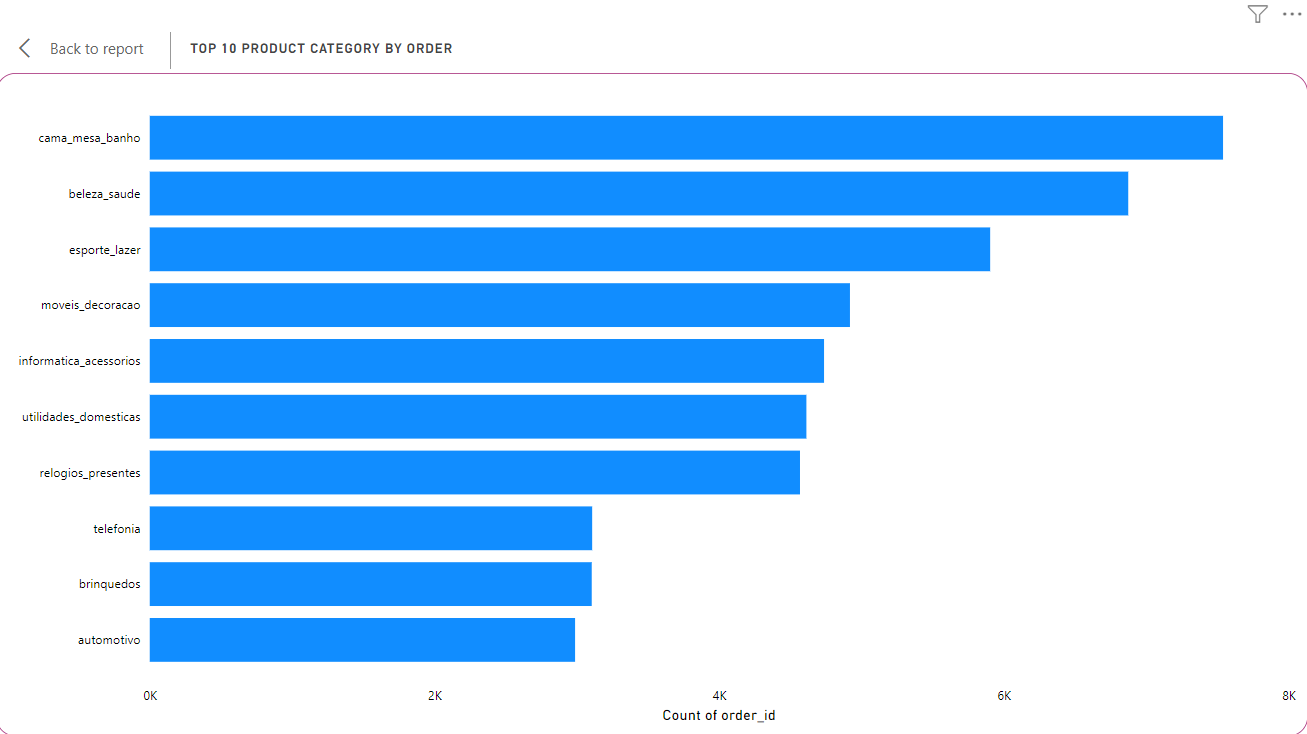
**Order by rating**

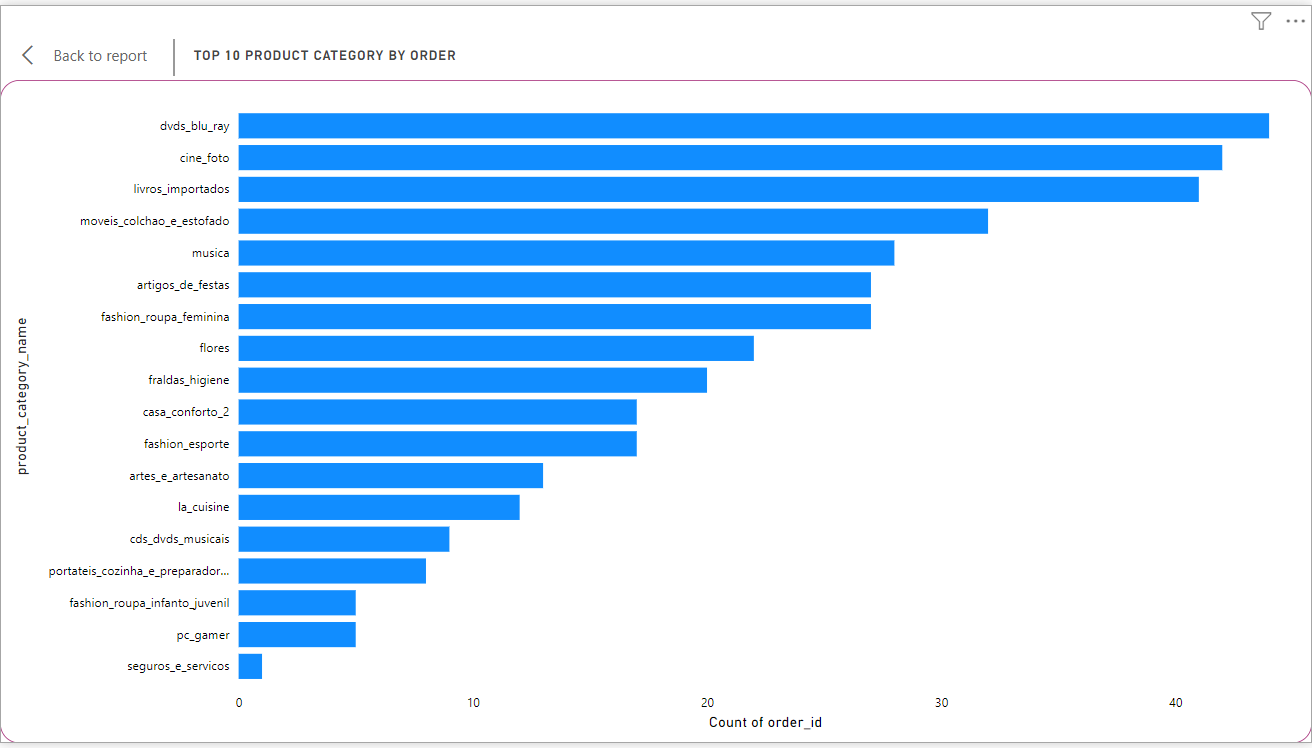
In this question I have created a new column name Rating where I transform the data using the if conditional loop formula after that I created a report view in which in the build visual ,in the x-axis I drag and drop rating and in y-axis count of order\_id and I used the stacked column chart.

Formula of rating:

Rating = IF([review\_score]==5,"Excellent",IF([review\_score]==4,"Very good",IF([review\_score]==3,"Good",IF([review\_score]==2,"Bad",IF([review\_score]==1,"Bad")))))

2.What are the top 10 and bottom 18 most popular product categories in the ShopNest dataset? Please list them based on the number of orders.

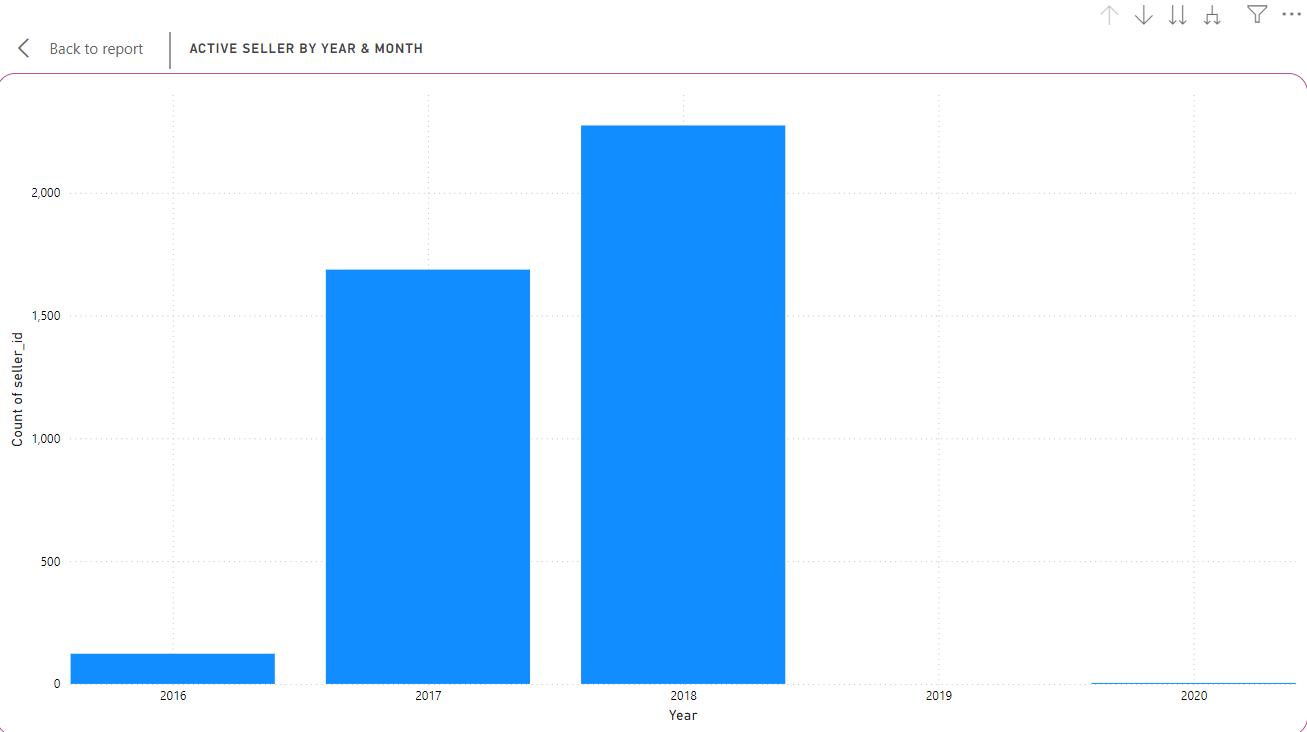
**Top 10 product category name**



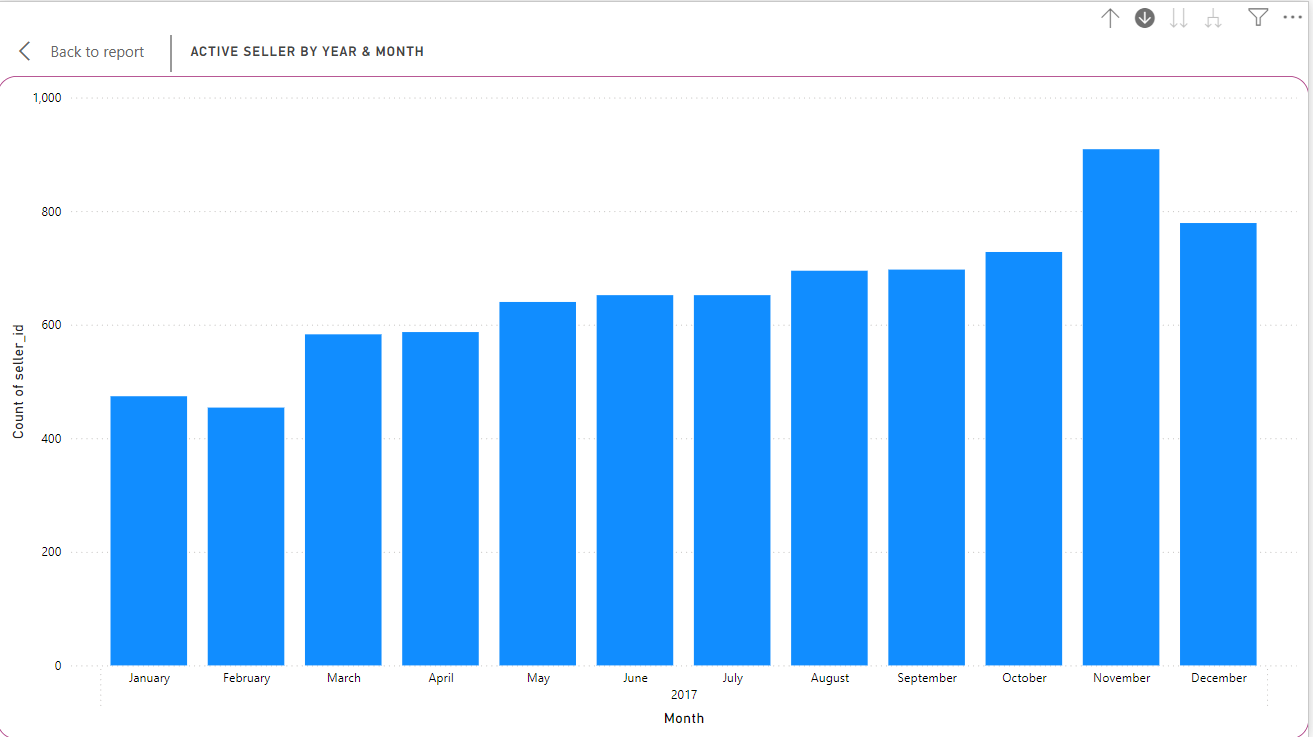
**Bottom 18 product category name**

In this question ,I merged two table i.e Nexusgoods\_products\_Dataset and Nexusgoods\_order\_items\_dataset ,in report view in the x-axis drag and drop order\_id and in y-axis product\_category\_name since in the question it is said to find the top 10 and bottom 18 so for that I have used filter in which I select top 10 and if I need to change it to bottom 18 I can change it from show items and I have used Stacked bar chart.

3. List the total number of active sellers by yearly and monthly.



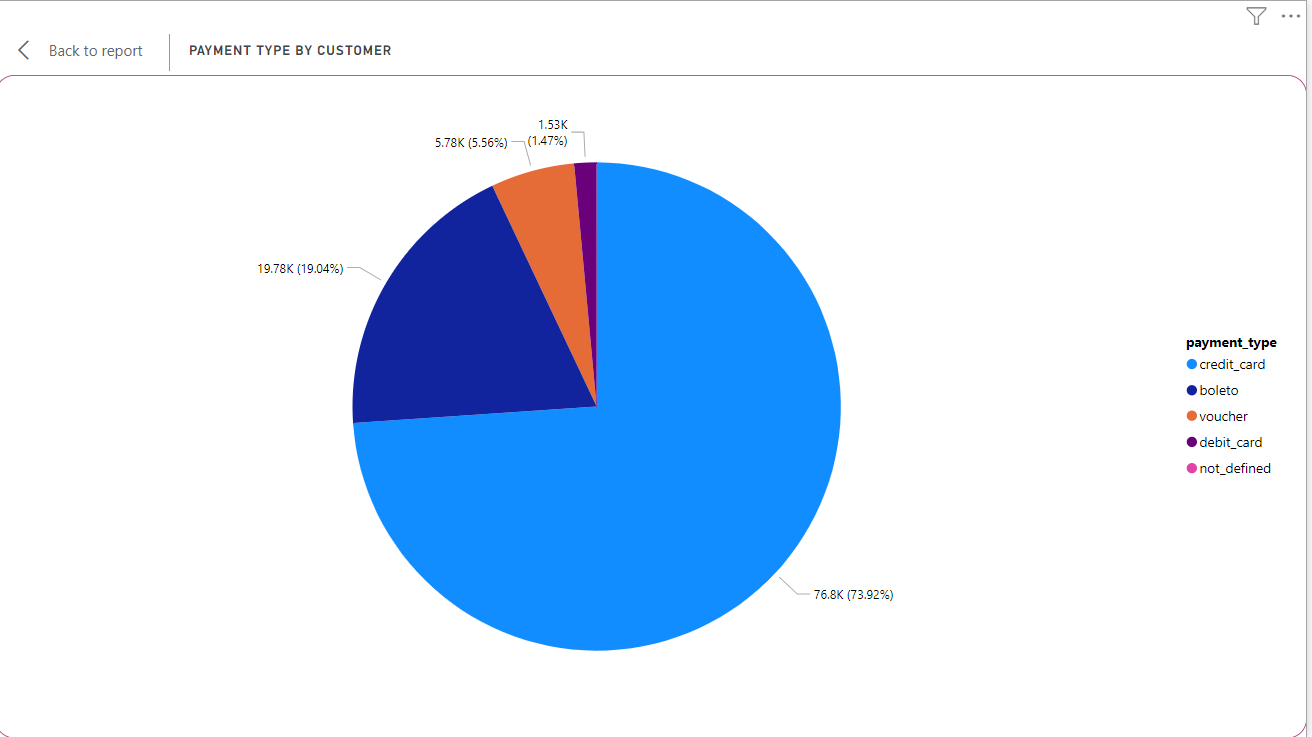
**Active seller by year**



**Active seller by month**

In this question I am using the Nexusgoods\_order\_dataset,in the table view there is a column name shipping\_limit\_date I need to change data\_type in date after which I need to make a report for which I used Stacked column chart where in x-axis is shipping\_limit\_date and y-axis is count of seller\_id, have use the drill in which we can check month and year active seller.

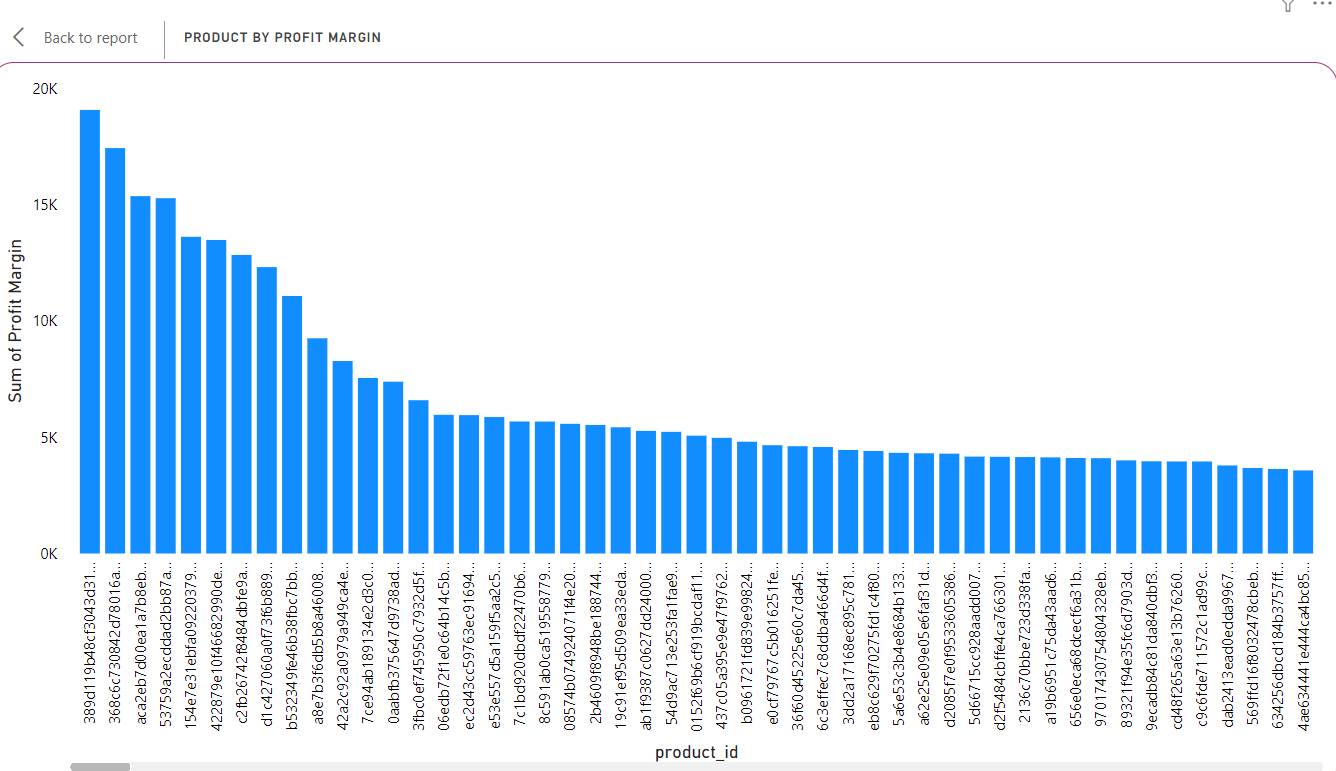
4.Which payment methods are most commonly used by ShopNest customers.



**Payment type by customer**

In this question ,I have used the table Nexusgoods\_order\_payments I have used Pie chart where I have put the payment type in legend and order\_id in values.

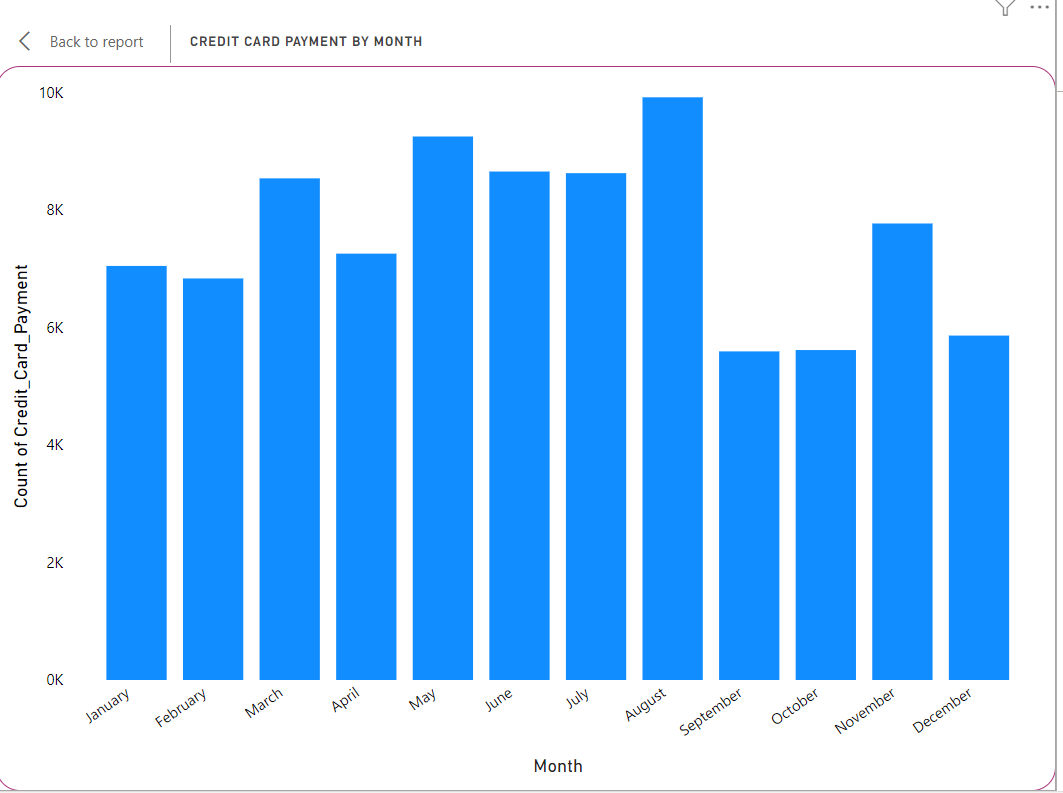
6. Identify the product category. wise profit margin using the formula  
**Hint:** **(Payment value -price + Freight\_value)/payment\_value\*100** (Rounded to two decimal points).



**Product by profit margin**

In this question I have to merge two dataset i.e Nexusgoods\_orders\_items\_dataset and Nexusgoods\_orders\_payment\_dataset ,I need to merge it because the payment value is not present in orders dataset and need to put the formula  **[(Payment value -price + Freight\_value)/payment\_value\*100 ]** and create the column.In the visualizations in x-axis it is product\_id and y-axis profit margin and used Stacked column chart.

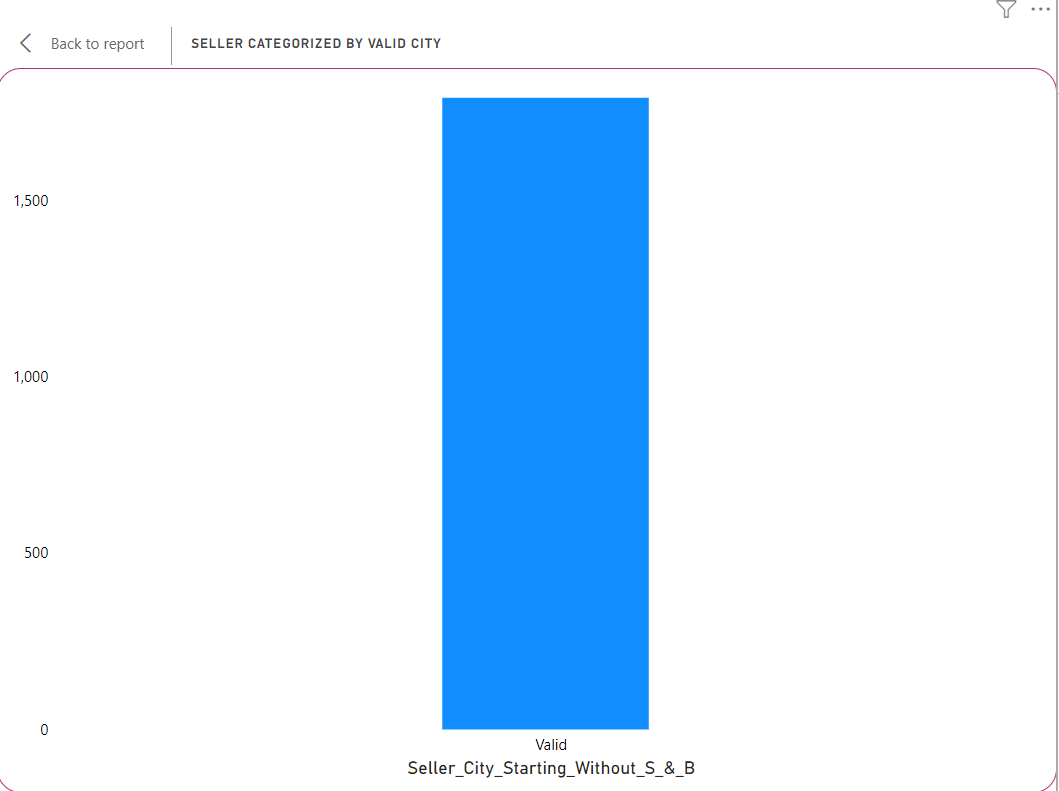
6. Determine the monthly payments made by customers using credit card



**Credit card payment by month**

In this question, I have transform the shipping\_limit\_date from text to date format and I have created a new column in which I select only the credit card payment and in visualizations in x-axis shipping\_limit\_date of month and y-axis count of credit card payment and I used Stacked column chart.

7. Identify sellers categorized by city, excluding cities starting with the letters S and B.



**Seller categorized by valid city**

In this question, I have used Nexusgoods\_orders\_dataset where I created a new column Seller\_city\_starting\_without\_S\_&\_B where I used if conditional loop

Seller\_City\_Starting\_Without\_S\_&\_B = IF(

    NOT(LEFT([seller\_city], 1) IN {"S", "B"}),

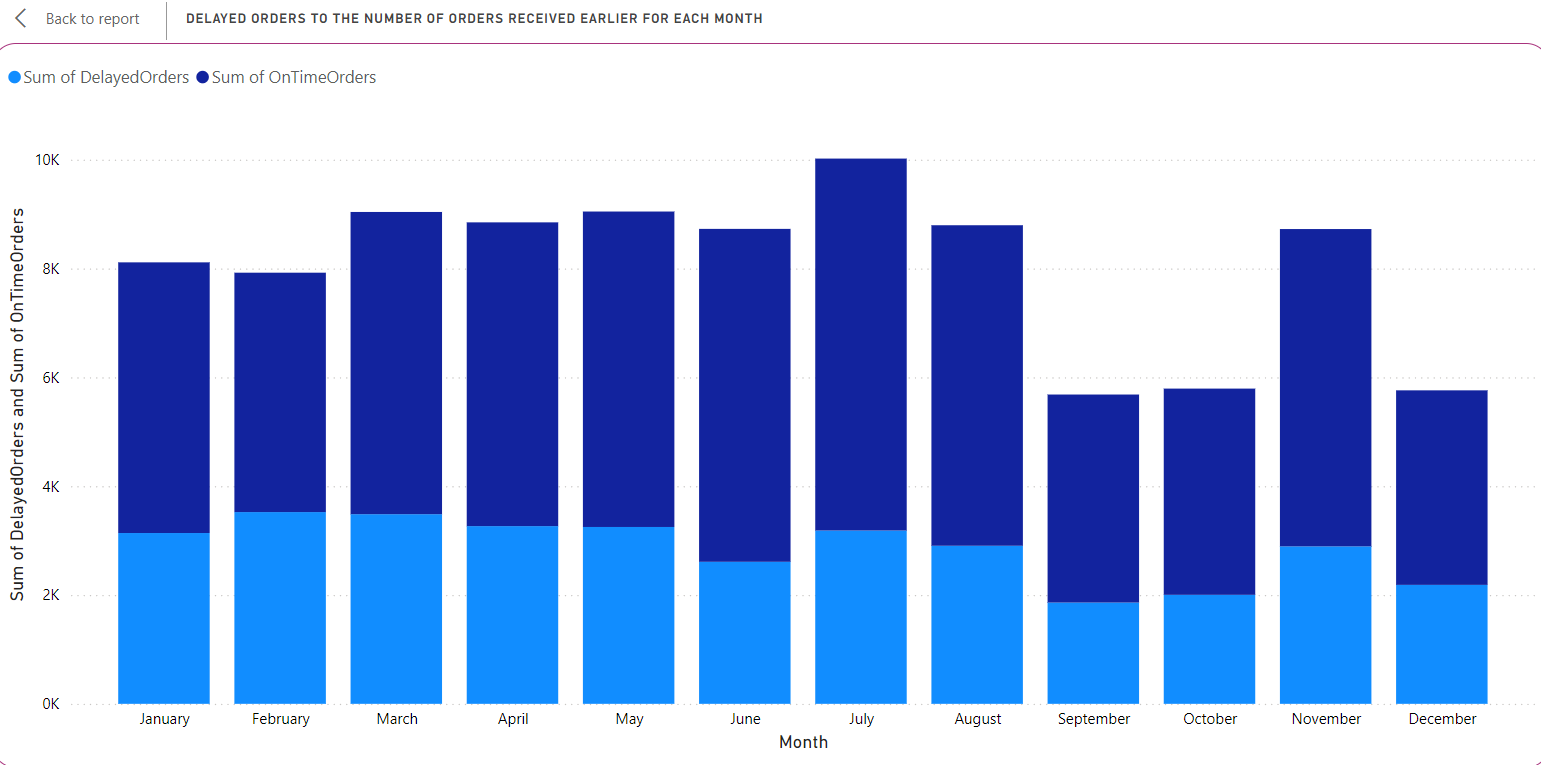
    "Valid",

    "Invalid"

)

And in visualizations in x-axis Seller\_city\_starting\_without\_S\_&\_B and y-axis count of seller id and in chart I have used stacked column chart.

8.Create a dynamic visual that compares the number of delayed orders to the number of orders received earlier for each month. Utilize the drill through the cross-report feature to provide a detailed analysis of late and on-time deliveries.



**Delayed orders to the number of orders received for each month**

In this question ,I have created a new dataset monthly summary dataset where I have used a formula to summarize the on time orders and delayed orders and I have used Stacked column chart.