

SQL and Databases:

New-Wheels Quarterly Business Report

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BATCH: MDS DEAKIN BV - JUNE 24

Business Overview

Total Revenue

12.4

Total orders

1000

Total Customers

994

Total AVG Rating

3.135

Last Qtr Rev

23,346,779.63

Last Qtr Ord

199

Total Avg Days to
Ship

98

Total % Good
Feedback

22.6%

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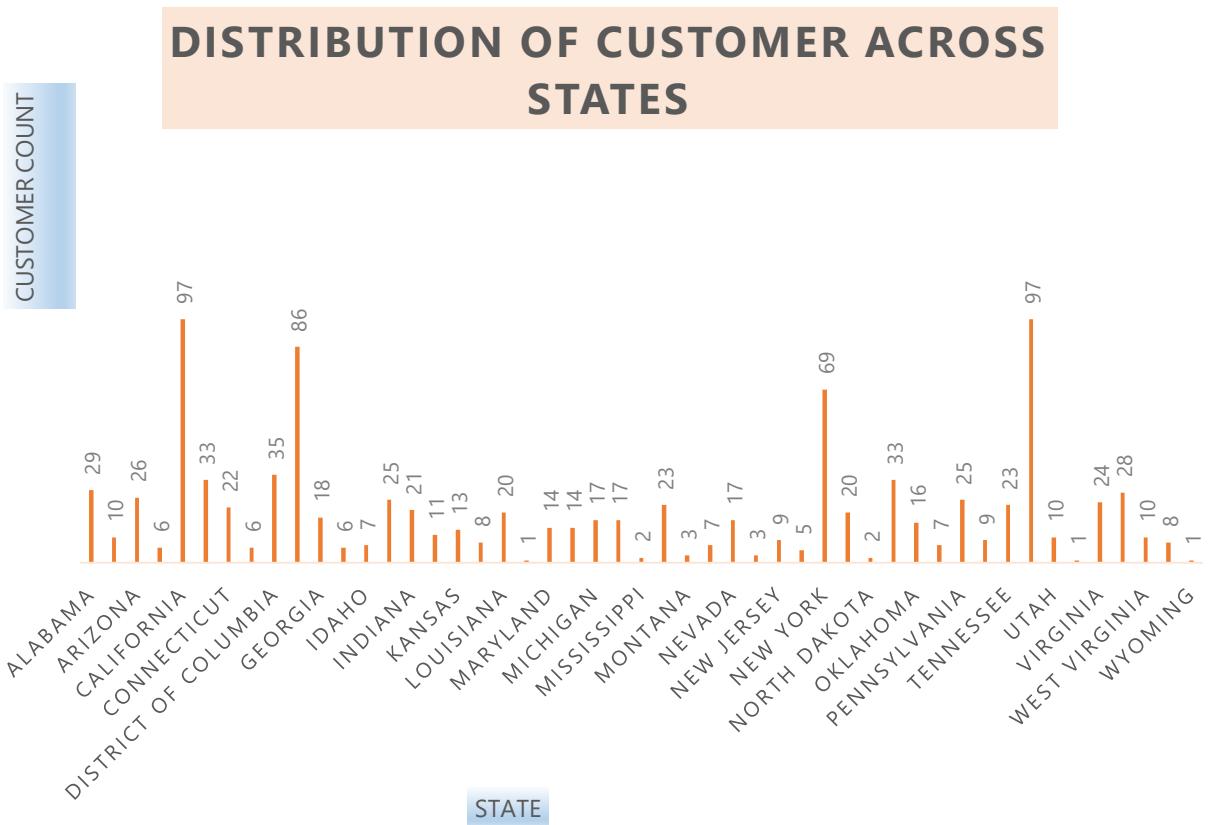
01

Customer Metrics

Distribution of Customers Across States

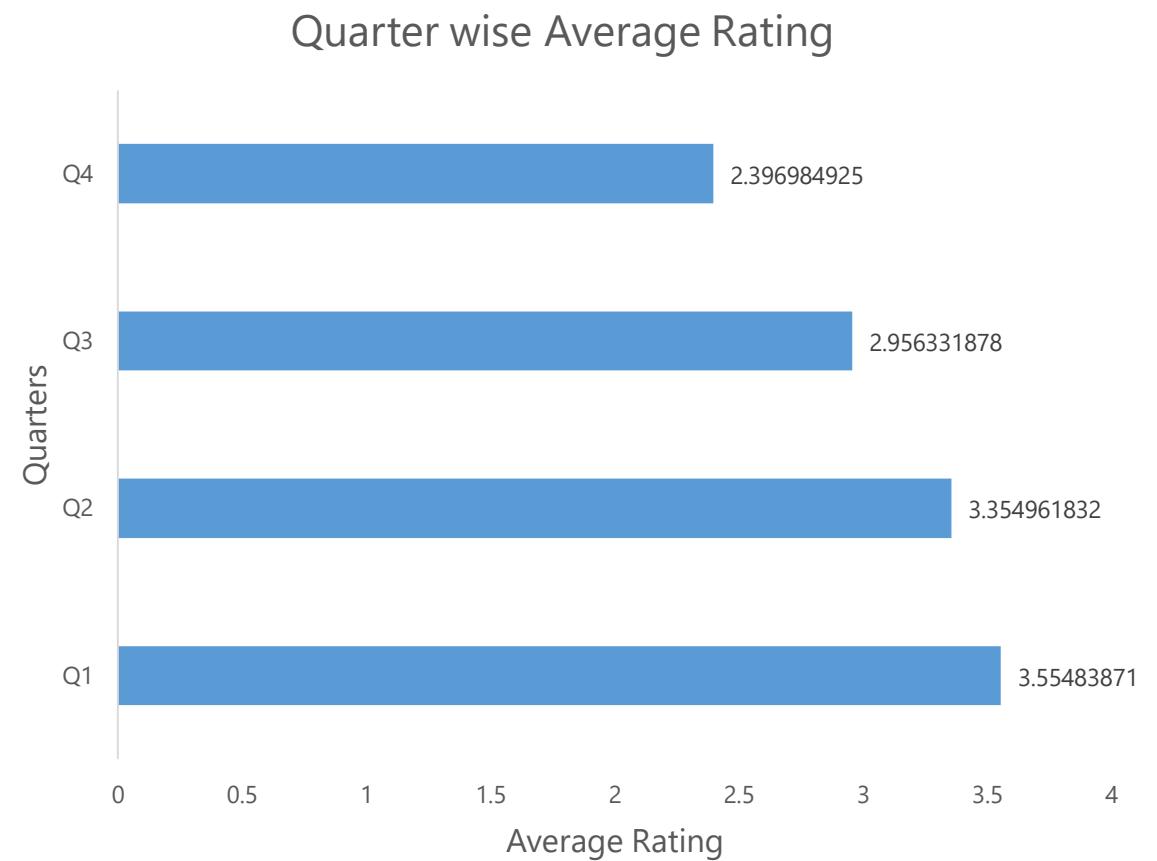
. Observations/Findings:

- California and Texas have the most customers (97 customers)
- Followed by Florida (86), New York (69), District of Columbia(35)
- Maine, Wyoming, and Vermont have the least amount of customers (1 customer from each state)



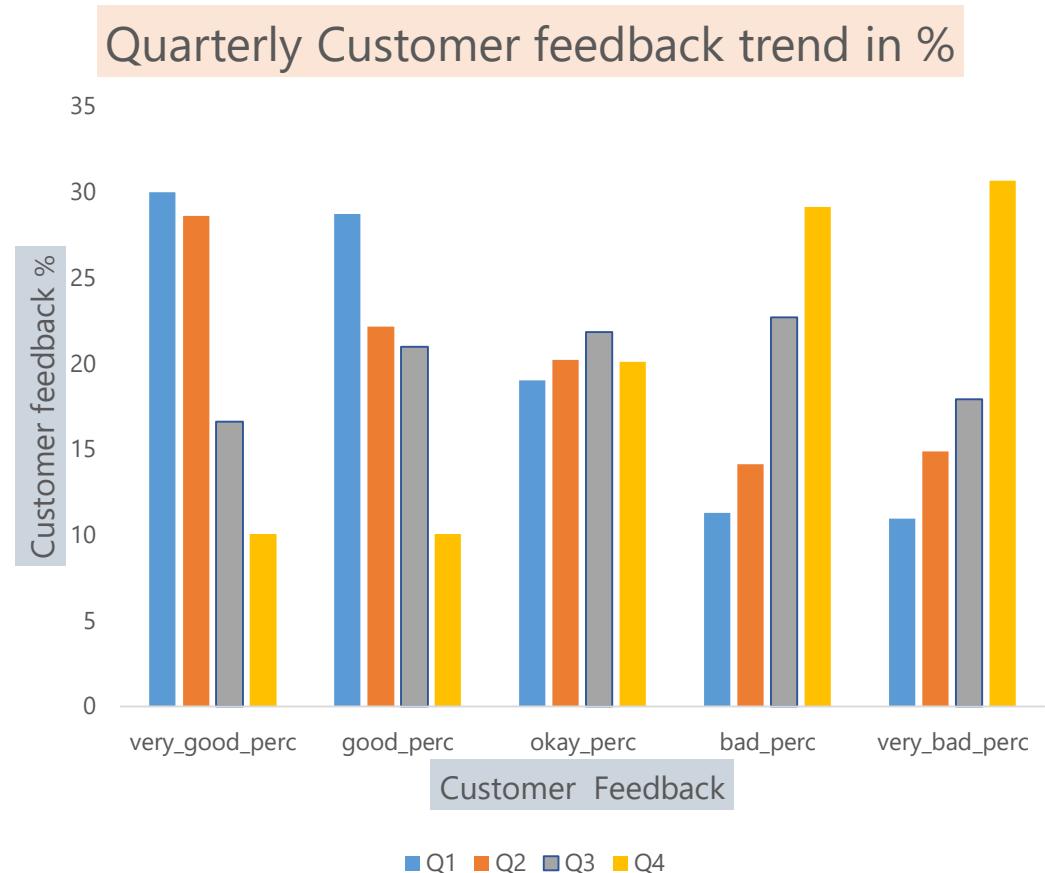
Average Customer Ratings by Quarter

- ❖ Average ratings have decreased each quarter
- ❖ Average ratings are now at an all time low
- ❖ The biggest drop in average ratings was in between Quarter 2 and Quarter 3
 - Quarter 1: 3.55
 - Quarter 2: 3.35
 - Quarter 3: 2.96
 - Quarter 4: 2.40



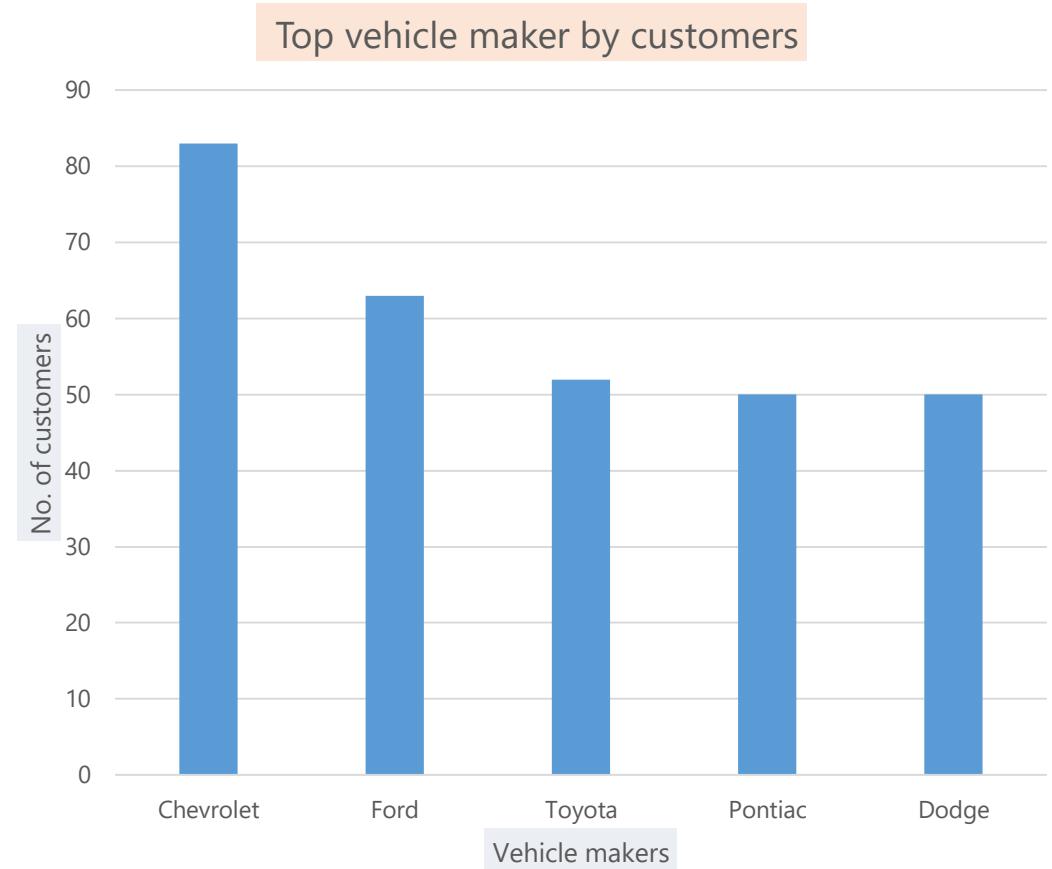
Trend of Customer Satisfaction

- ❖ There is an increase in 'Very Bad' and 'Bad' ratings throughout the Quarters
- ❖ There is a decrease in 'Good' and 'Very_Good' Ratings throughout the Quarters
- ❖ Quarter 4 has the most 'Very Bad' and 'Bad' Ratings and the least amount of 'Good' and 'Very_Good' ratings compared to the other quarters



Top Vehicle Makers preferred by Customers

- ❖ Chevrolet is the top favorite Vehicle Maker preferred by customers (83 customers)
- ❖ Ford (63 customers)
- ❖ Toyota (52 customers)
- ❖ Dodge and Pontiac (50 customers) are the least preferred vehicle makers by customers with only 1 customer each.



Most Preferred Vehicle Make in each State

- ❖ In California 97 customers preferred the vehicle make Isuzu
- ❖ In Texas, 97 customers preferred the vehicle make Chrysler
- ❖ In Florida, 86 customers preferred the vehicle make GMC
- ❖ In New York, the most preferred vehicle make is Buick with 69 customers
- ❖ In the District of Columbia, 35 customers preferred the vehicle make Mazda

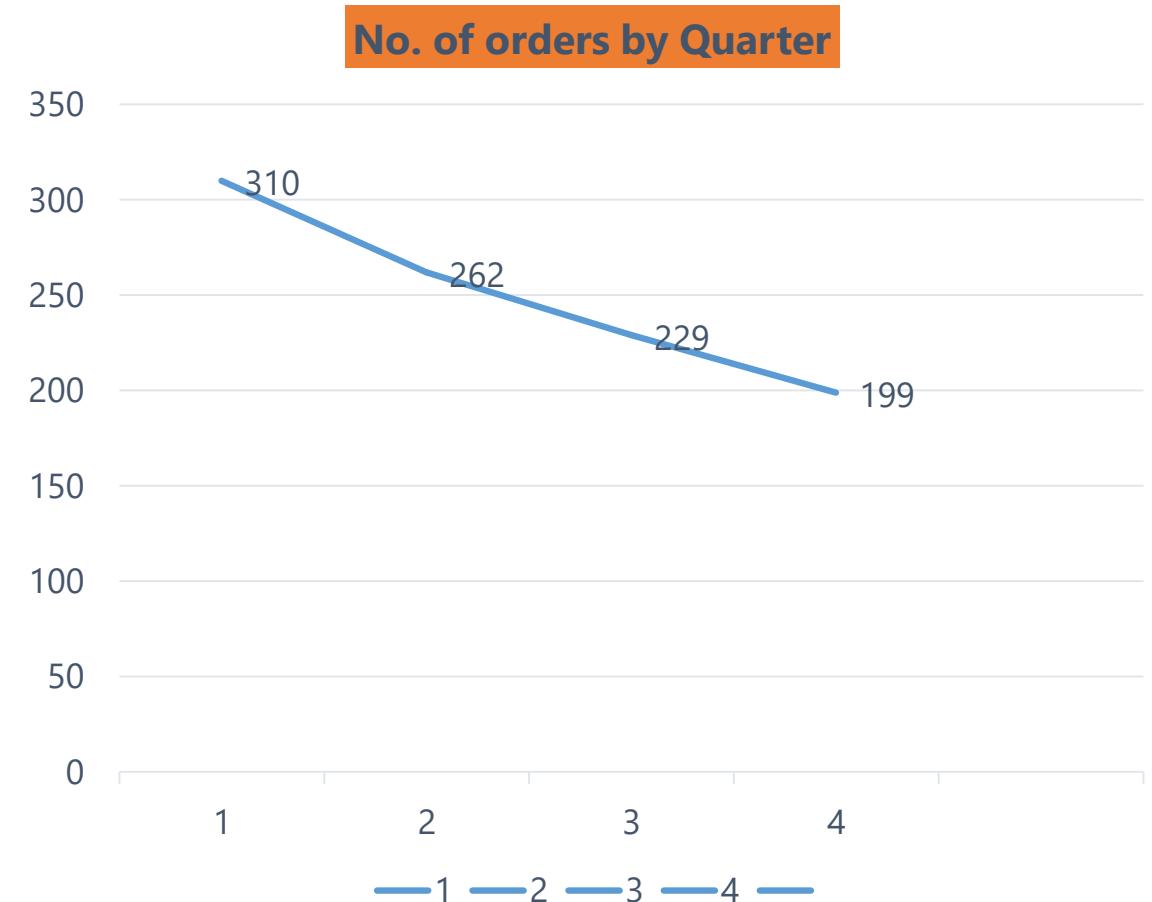
State	Vehicle_Maker
Alabama	Dodge
Alaska	Chevrolet
Arizona	Cadillac
Arizona	Pontiac
Arkansas	Chevrolet
Arkansas	GMC
Arkansas	Mitsubishi
Arkansas	Pontiac
Arkansas	Suzuki
Arkansas	Volkswagen
California	Audi
California	Chevrolet
California	Dodge
California	Ford

02

Revenue Metrics

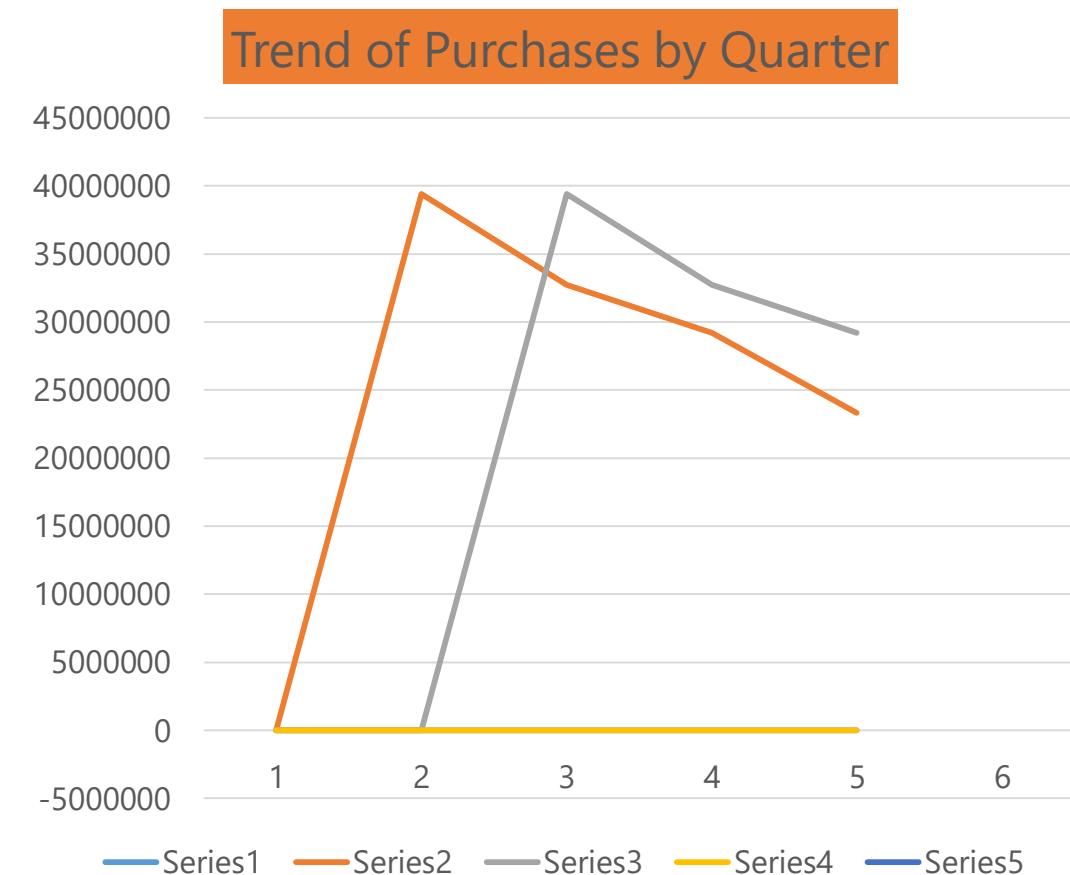
Trend of Purchases by Quarter

- ❖ Over the quarters the number of orders have steadily decreased
- ❖ At Quarter 4 the company has reached its lowest number of orders
- ❖ More than 100 orders were lost between Quarter 1 and Quarter 4 (Now)
- ❖ The most orders lost were in between Quarter 1 and Quarter 2 (48 orders lost)



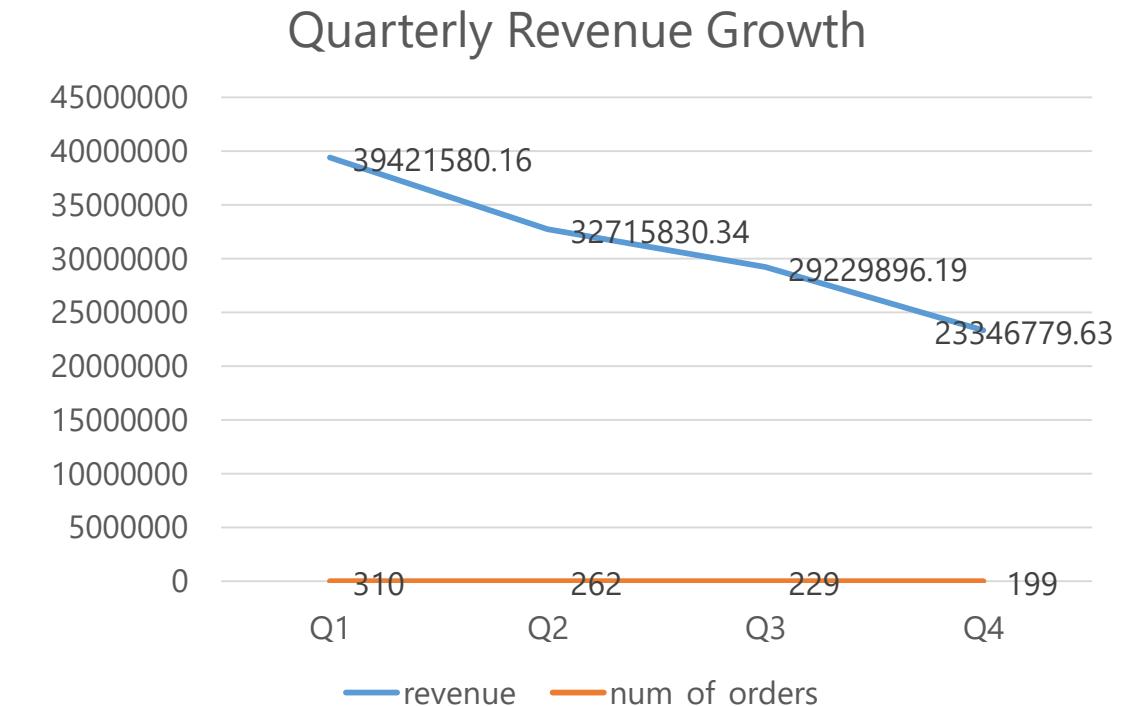
Quarter on Quarter % change in Revenue

- ❖ Each quarter % change is negative meaning there was no increase in Revenue whatsoever
- ❖ The largest percentage decrease in Revenue was in Quarter 4
- ❖ The smallest percentage decrease in Revenue was in Quarter 3



Trend of Revenue and Orders by Quarter

- ❖ As orders decreased linearly by each Quarter, revenue also decreased linearly
- ❖ Quarter 1 was the peak of orders and the peak of revenue
- ❖ Orders: 310
- ❖ Revenue: \$39,374,179
- ❖ Quarter 4 is the lowest point for the company with the lowest amount of orders and lowest total revenue
- ❖ Orders: 199
- ❖ Revenue: \$23,276,651

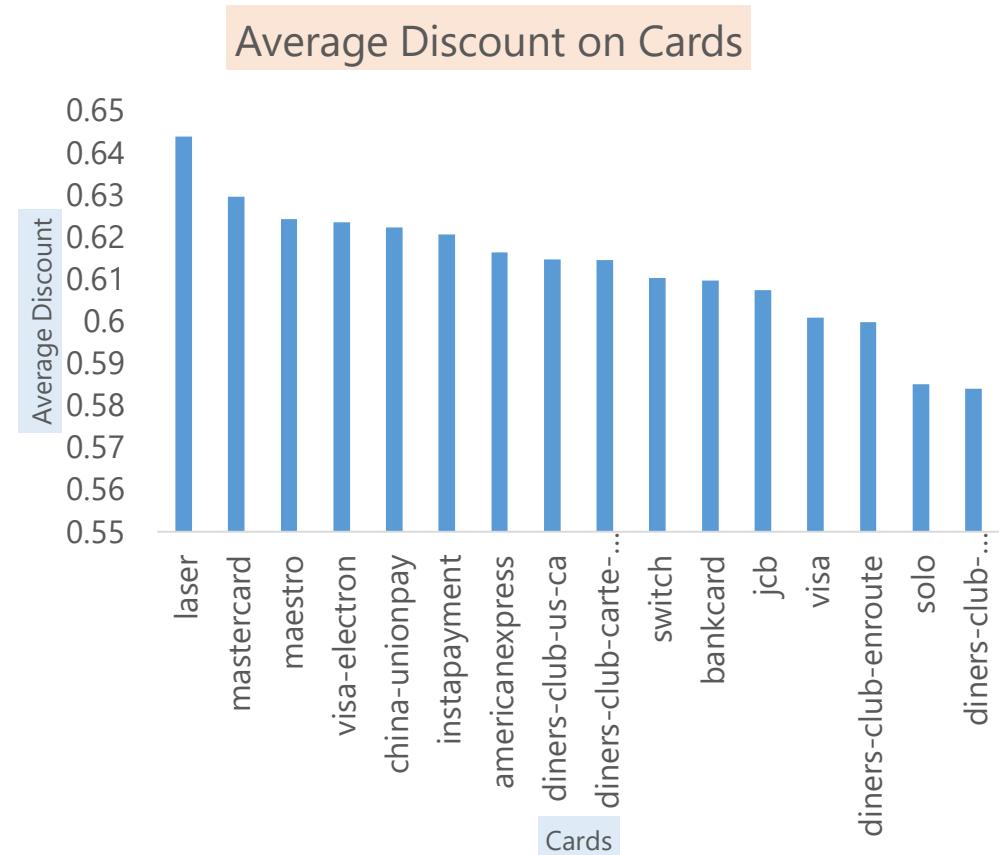


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Shipping Metrics

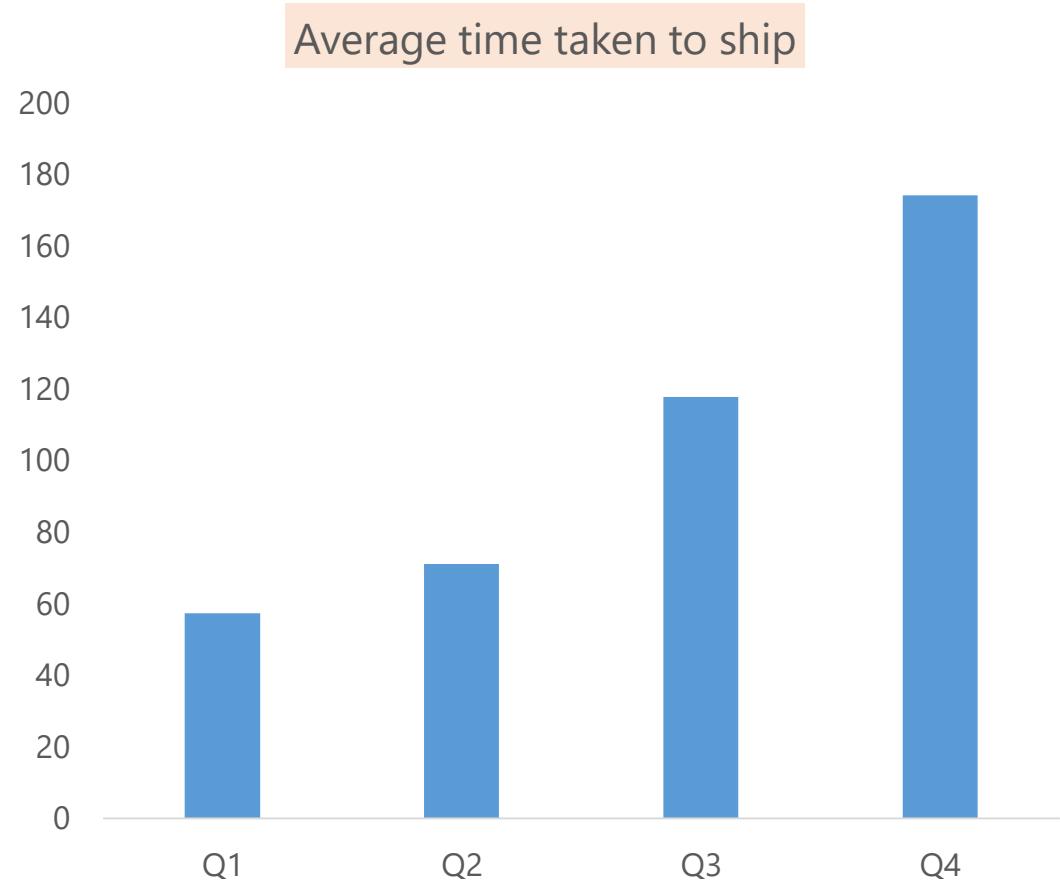
Average discount offered by Credit Card type

- ❖ The credit card type with the highest average discount is Laser with a 64% discount
- ❖ The credit card type with the lowest average discount is Diners-club-international with a 58% discount
- ❖ The average discount offered by each credit card type ranges from 64% to 58%, with a majority of the discounts being over 60%



Time Taken to Ship Orders by Quarter

- ❖ The average shipping time has gradually increased over each quarter
- ❖ Quarter 1 had the fastest shipping time averaging 57 days
- ❖ Quarter 4 had the slowest shipping time averaging 174 days
- ❖ The average shipping time has tripled since Quarter 1



04

Insights and Recommendations

Insight and Recommendations

- Orders have steadily declined over the quarters, reaching an all-time low in Quarter 4.
- Ratings have declined every quarter, with an increase in "Very Bad" and "Bad" ratings and a decrease in "Very Good" and "Good" ratings
- There has been no increase in revenue over the four quarters, with each percent change being negative.
- Orders have decreased due to an increase in negative customer feedback and slower shipping times. Revenue has decreased linearly as well, with the largest percentage decrease occurring in Quarter 4. Ratings have decreased, which may be closely correlated with the average shipping time increasing since it has tripled since Quarter 1. The company needs to focus on shipping times and reduce them in order to receive more positive feedback from customers. Revenue will increase if there is more positive feedback from customers.

Insight and Recommendations

- The average discounts given to each form of credit card is one major problem that has reduced the company's revenue.
- Each type of credit card offers a discount that runs from an average of 64% to 58%, with most of the reductions being greater than 60%.
- Given that each credit card type deducts more than 50% of the revenue from each order, it might be a good business decision to reduce the amount of discounts offered to each type. Additionally, since the top 5 vehicle brands that customers prefer are Chevrolet, Ford, Toyota, Dodge, and Pontiac, it might be worthwhile to collaborate more closely with these automakers.