

Overview

Sales Data of two years - 2003 and 2004

Framework

Consumer Behaviour (Profitable Vs Repeatable) - 2 x 2 Matrix

Statistics

Average/Mean

Inferences

- Filtered data into different quadrants.
- Insights over the study and analysis of each quadrants yearly as well as quarterly.
- Different marketing strategies are developed according to the insights.

Analysis Tools

Python | Pandas | Numpy | Matplotlib

Analysis Platform

Jupyter Notebook

Infographs

Bar Graphs | Line Graphs | Pie Chart

Totals

Total 2003

Sales	Customers	Transactions
3516979.54	69	1000

Sales per Customer	Transactions per Customer
3516.98	14.5

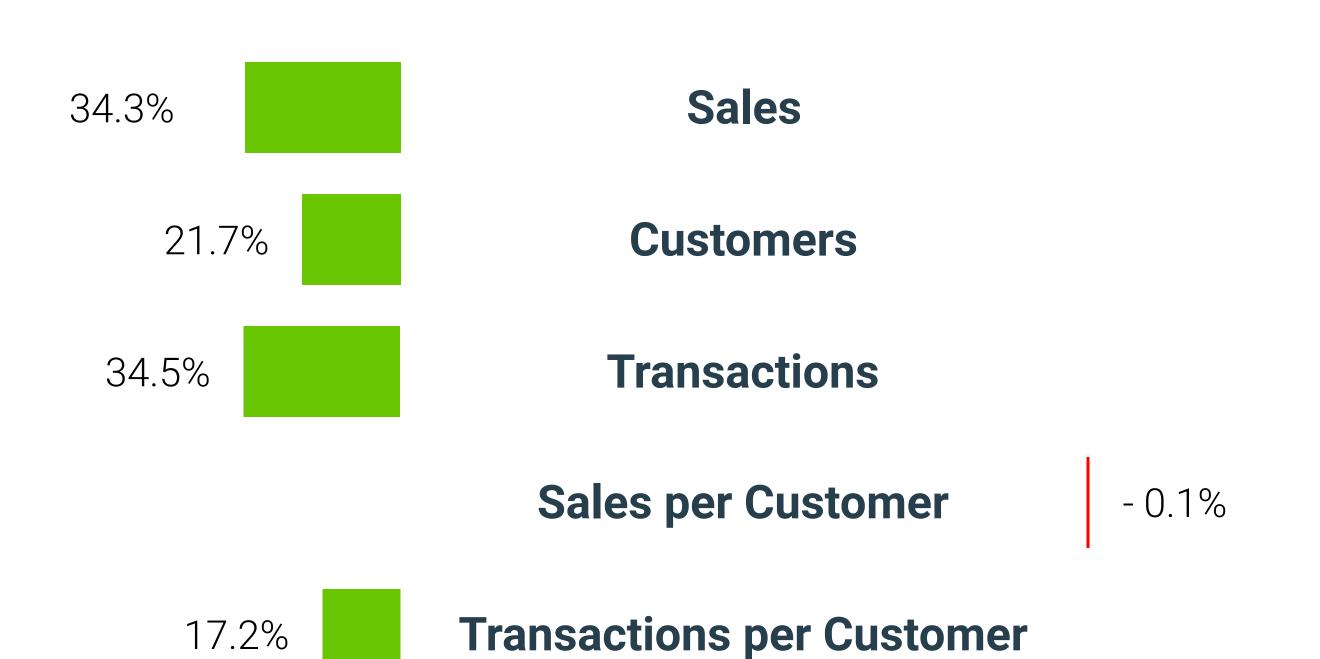
Total 2004

Sales	Customers	Transactions	
4724162.60	84	1345	
Sales per Customer	Transa	Transactions per Customer	

16.0

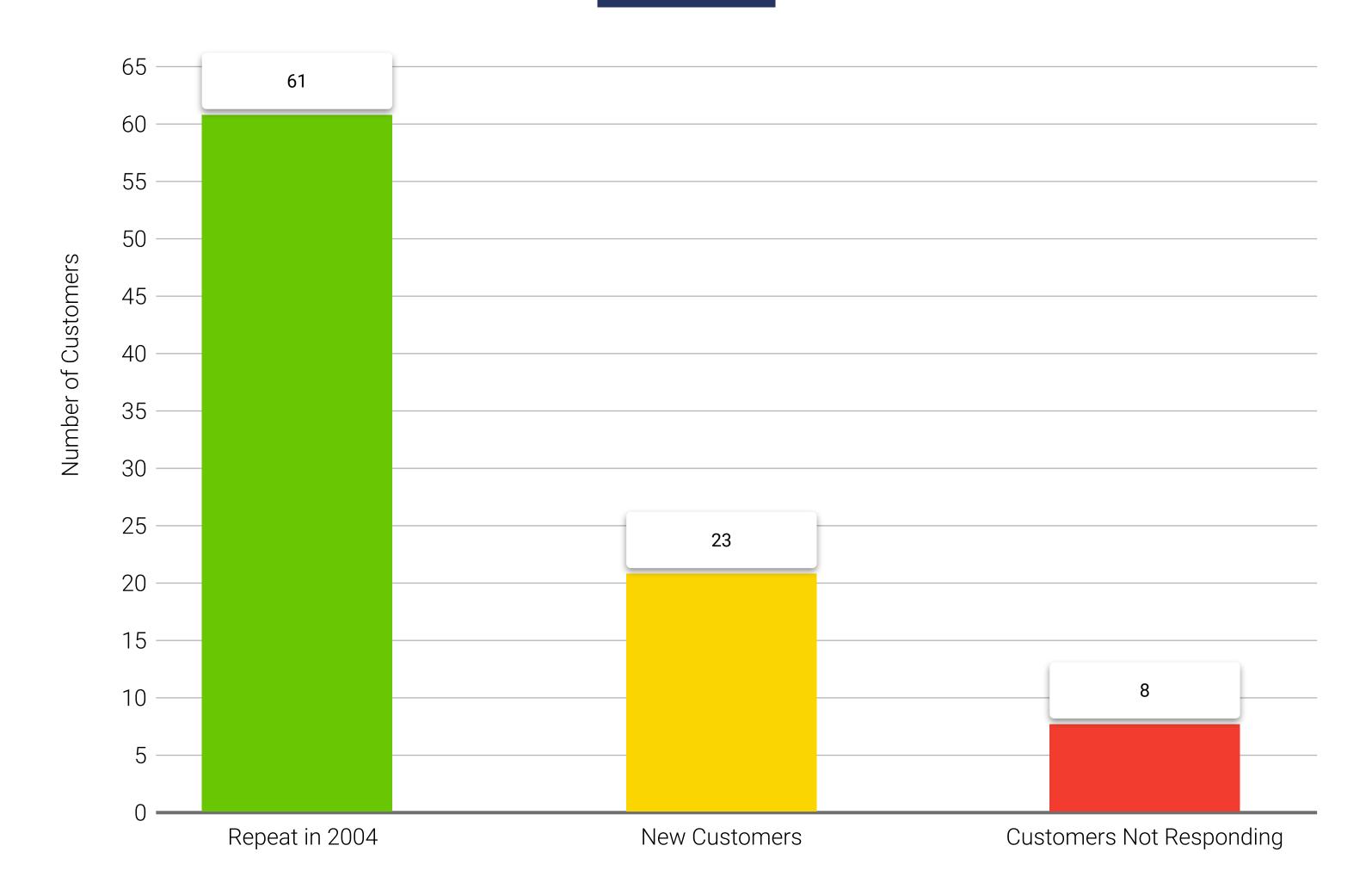
Growth

3512.38

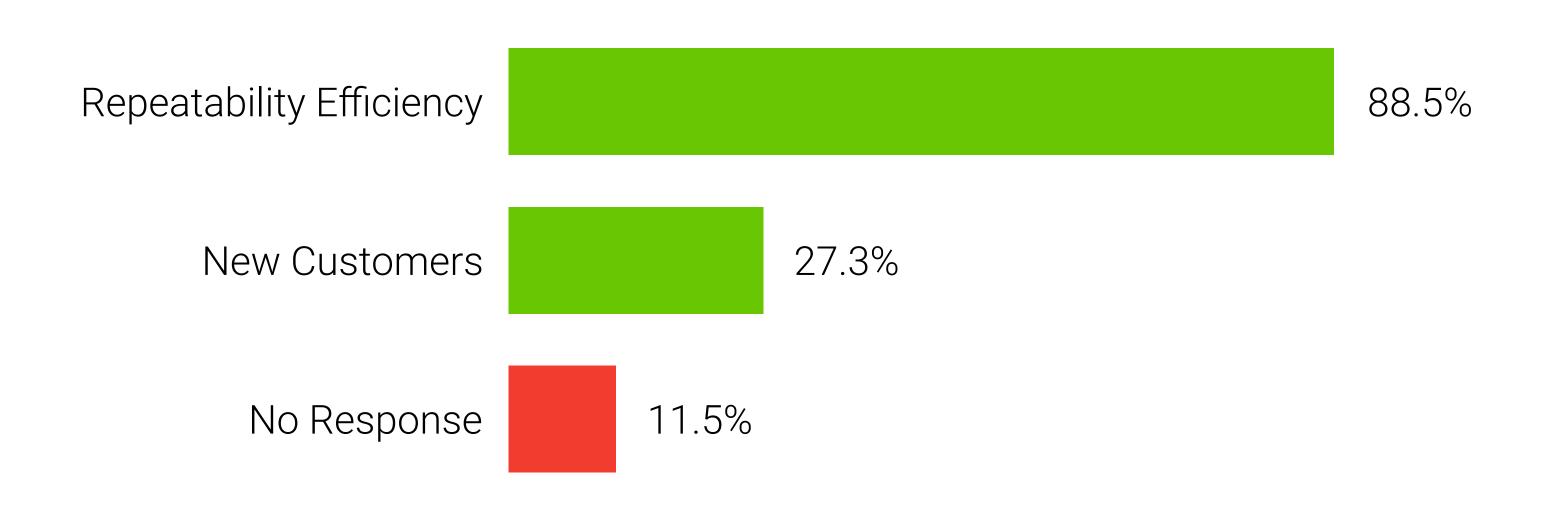


Totals - Number of Customers

Deep Analysis of Total Customer

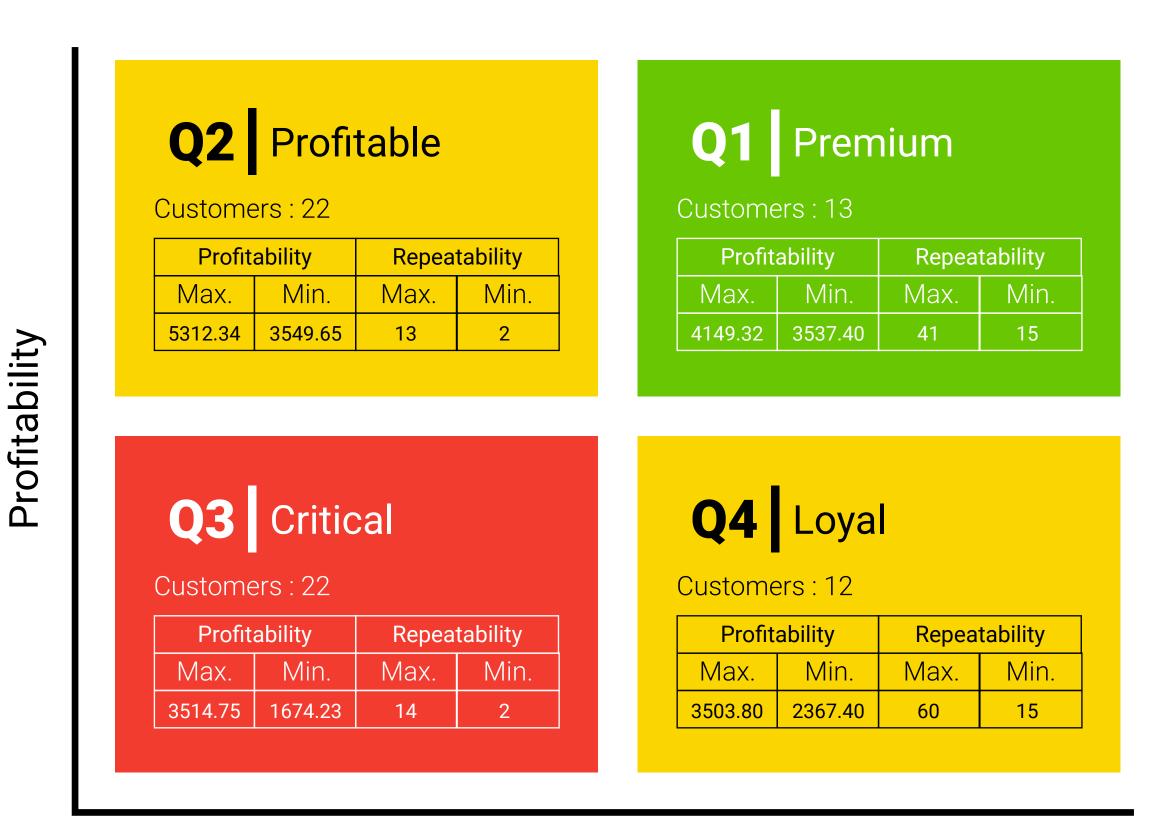


Efficency



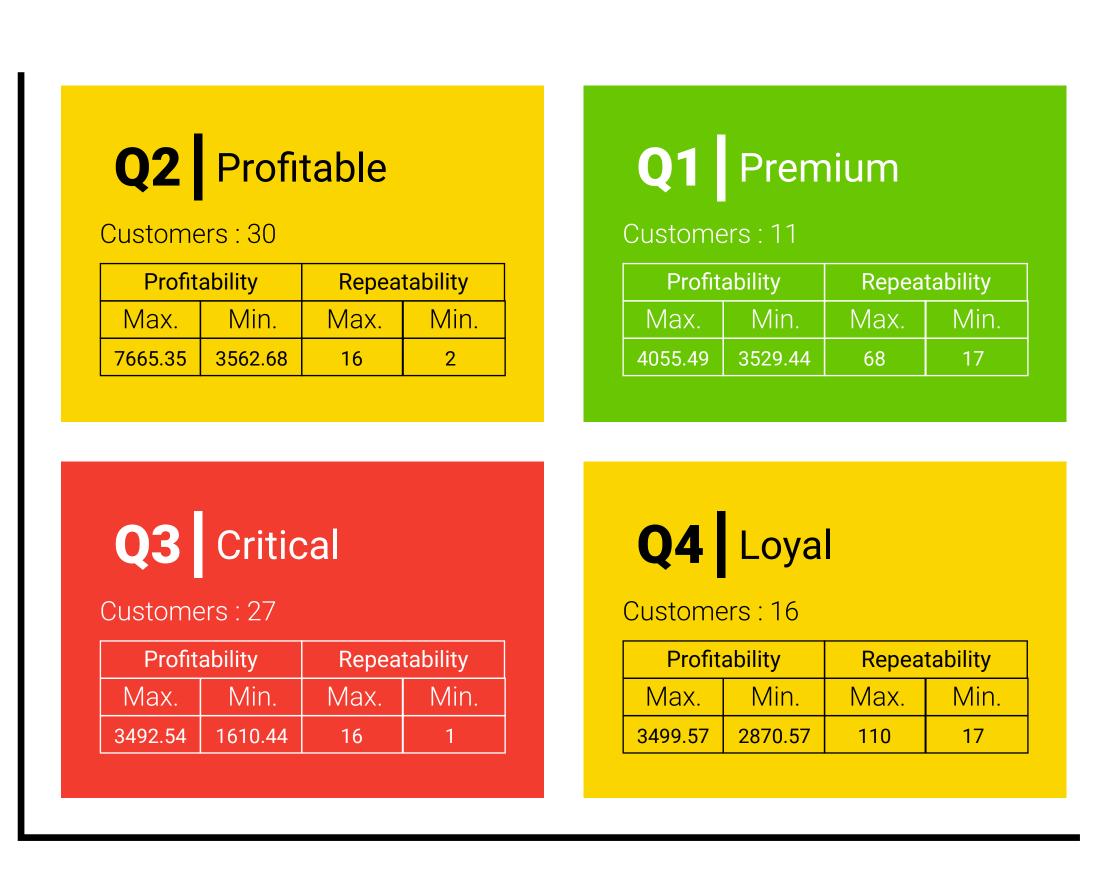
Quadrants

Quadrants 2003



Repeatability

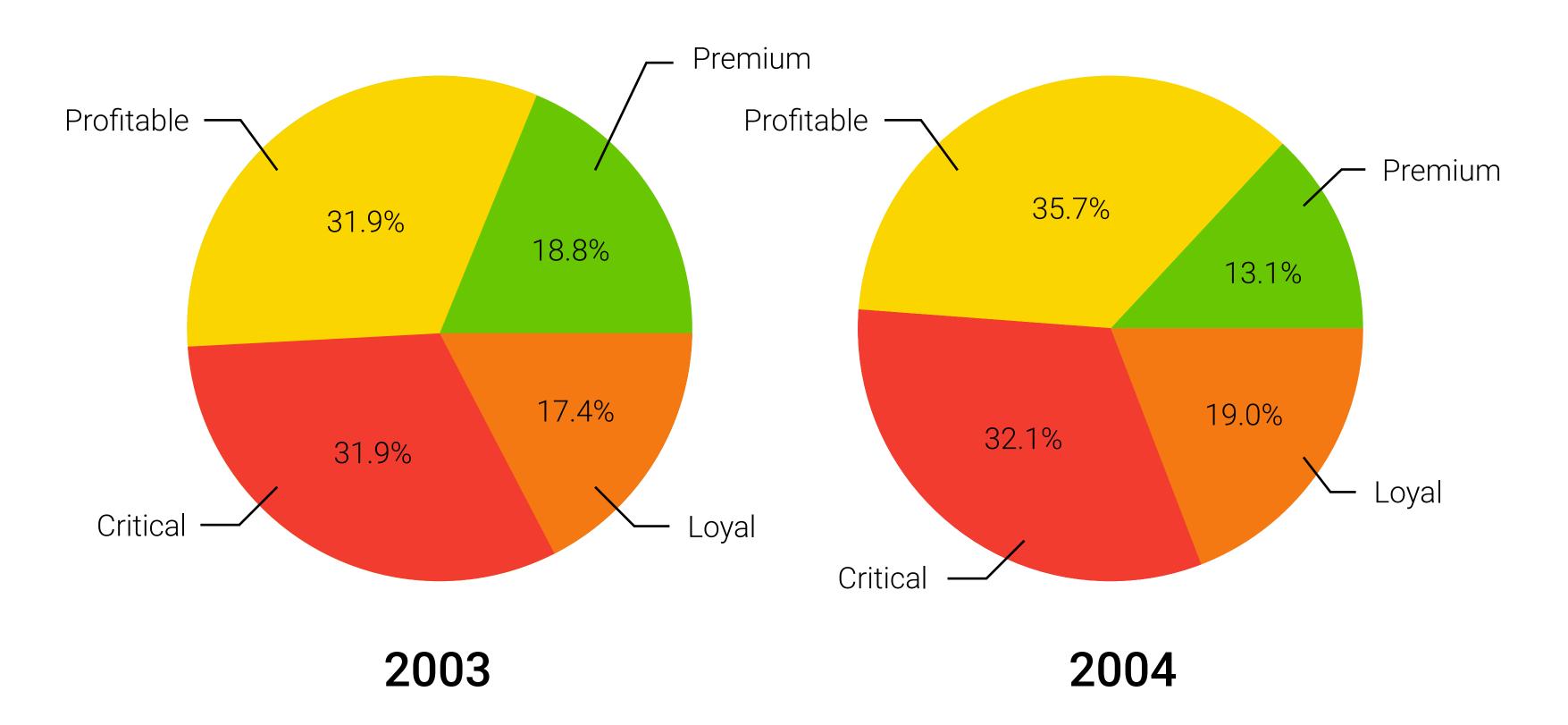
Quadrants 2004



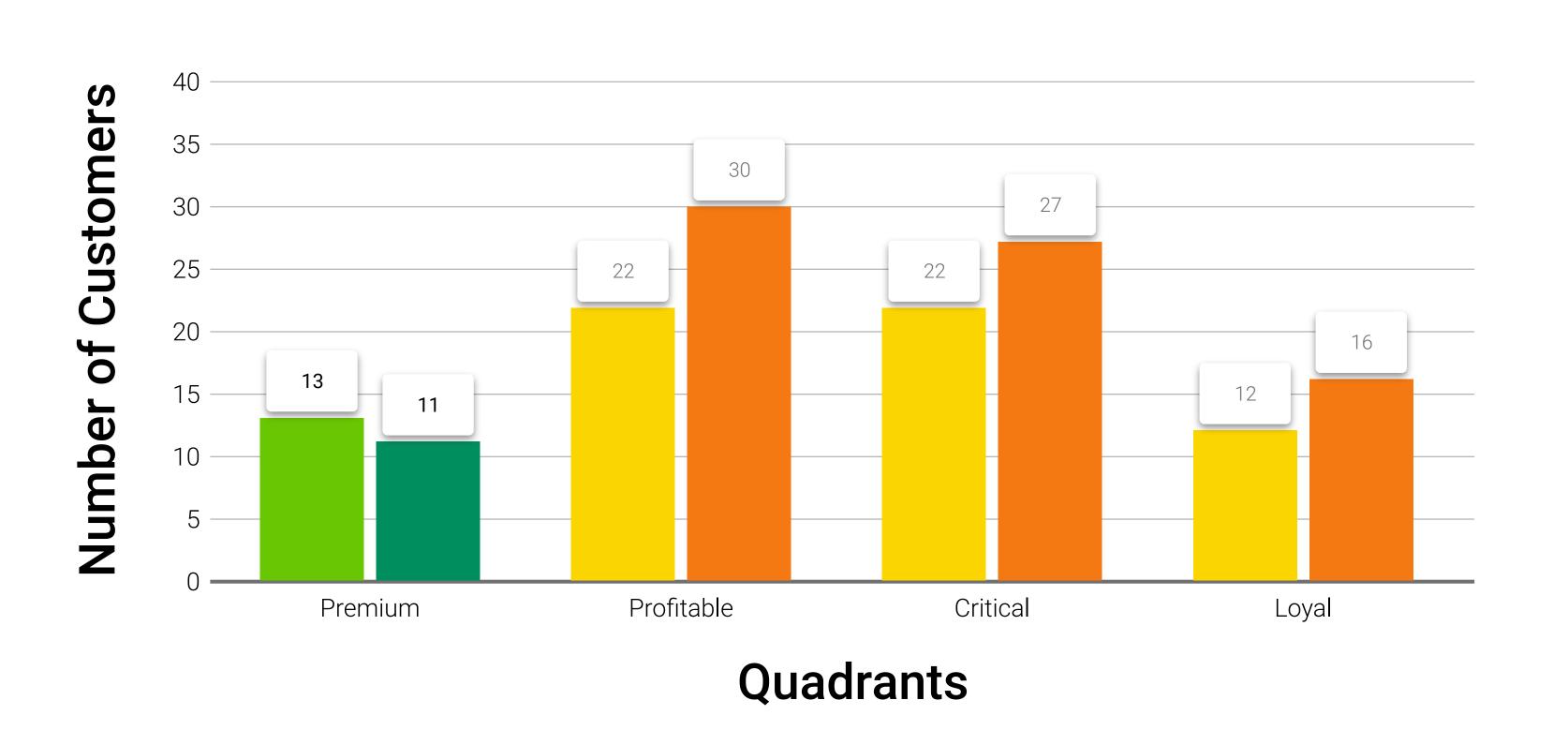
Profitability

Quadrants - Share and Growth

Share of Quadrants

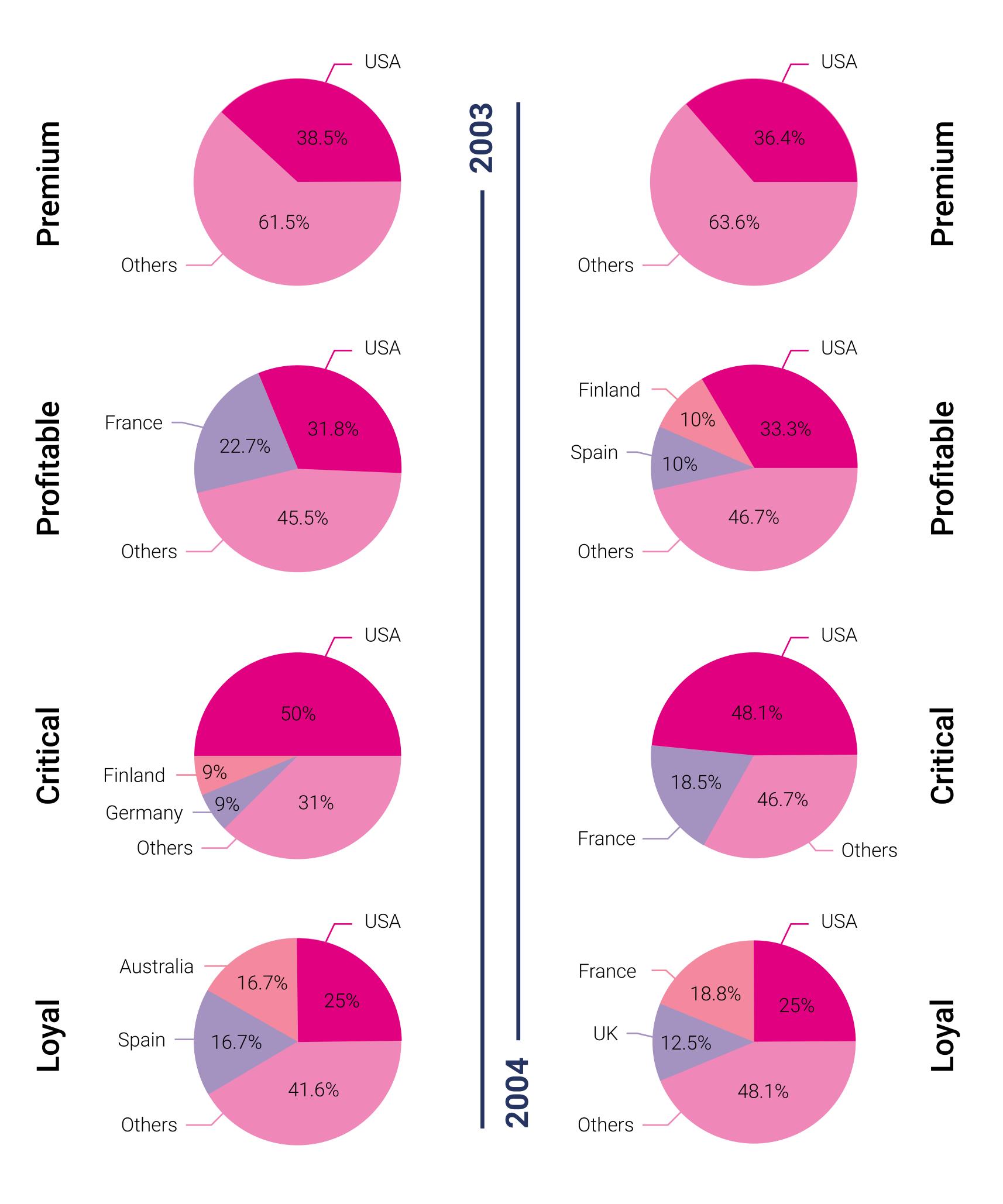


Quadrant Share Growth



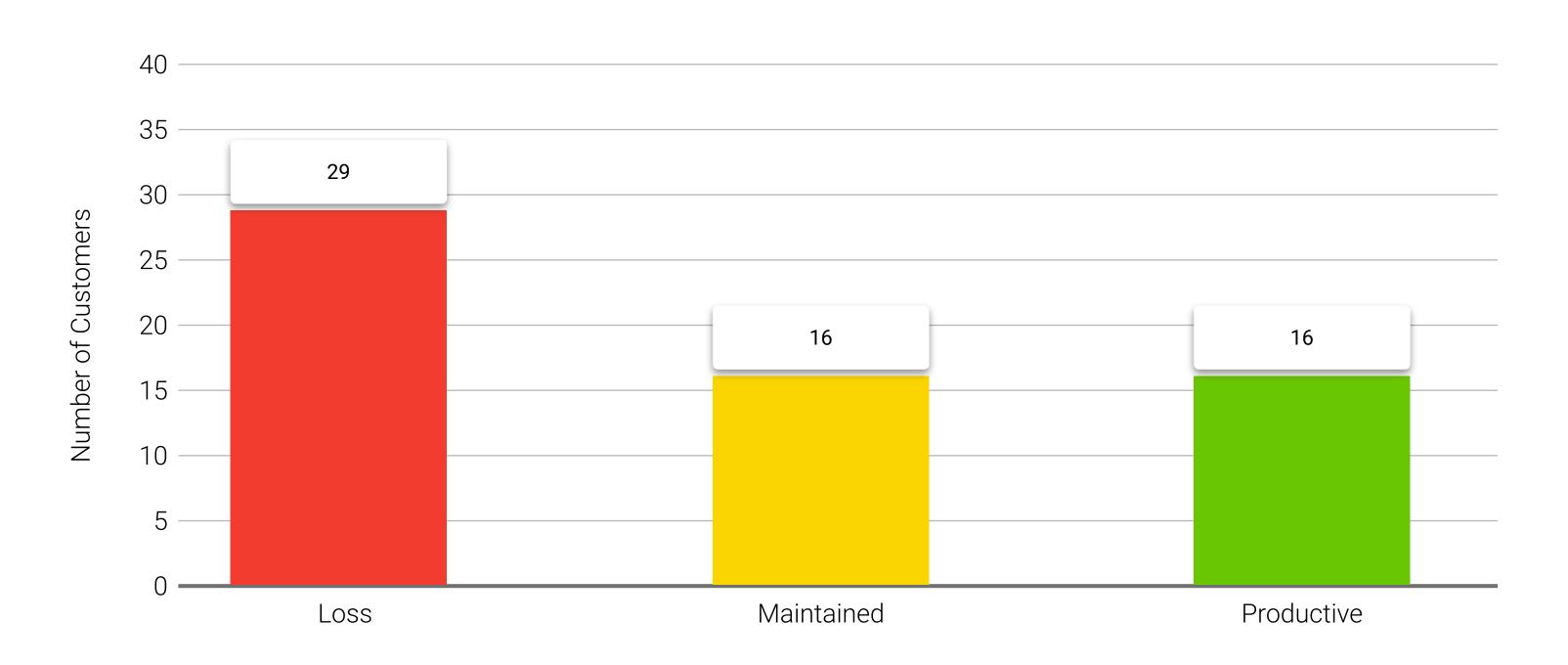
Country

Customer from Country

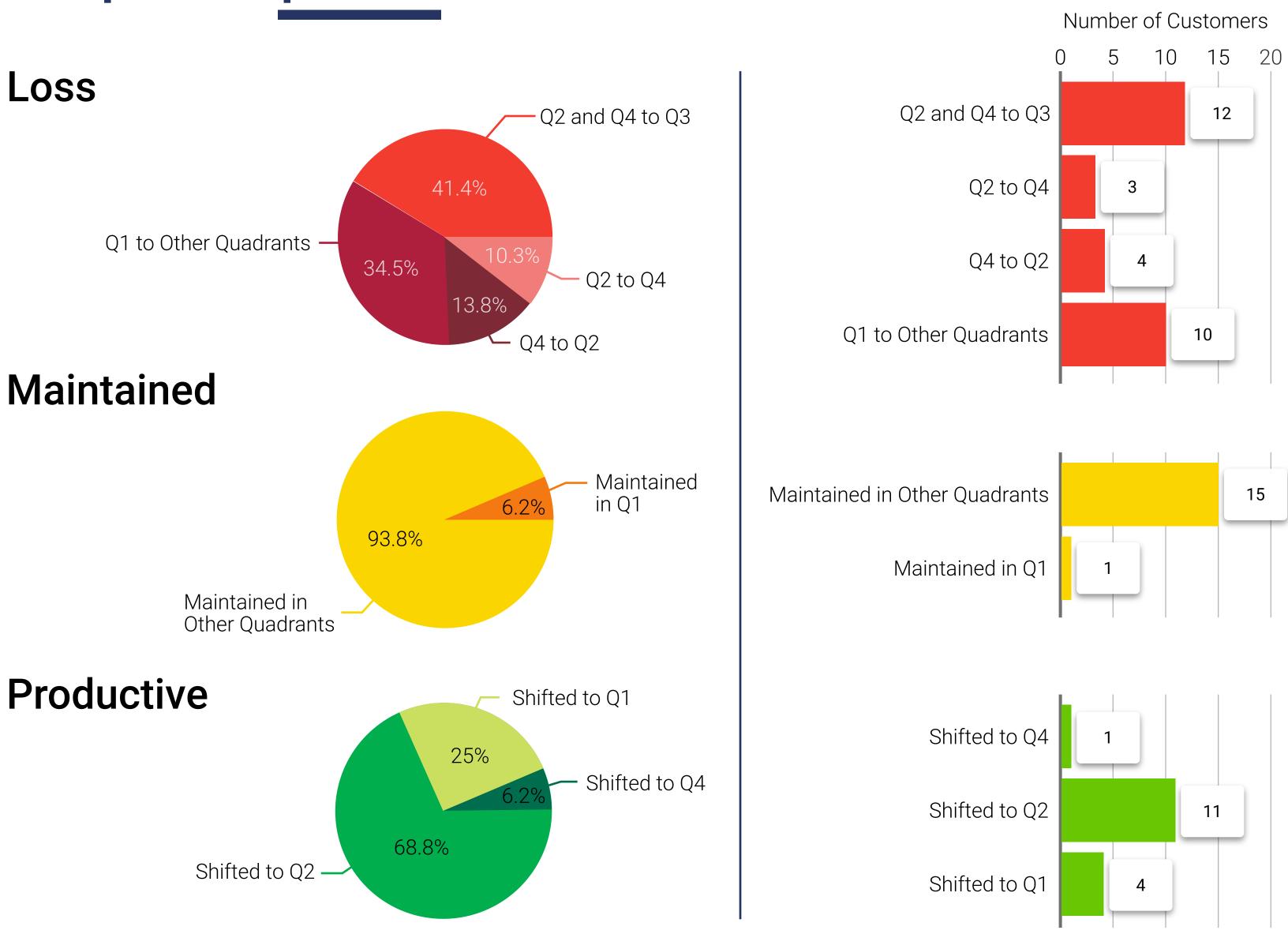


Extended Comparison

Overall Comparison

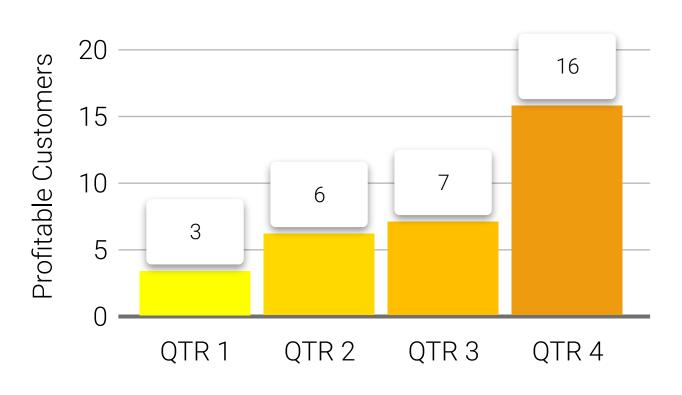


Depth Comparison

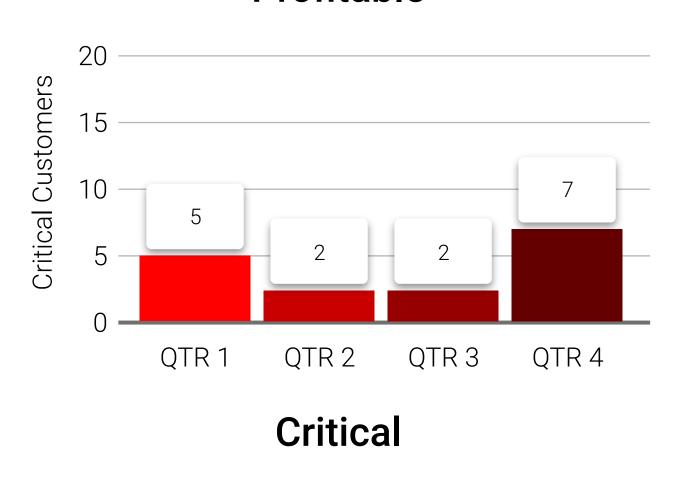


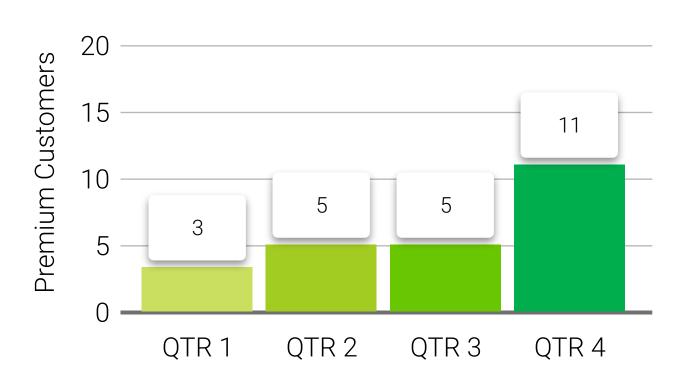
Quarters 2003

Quadrant Comparison



Profitable

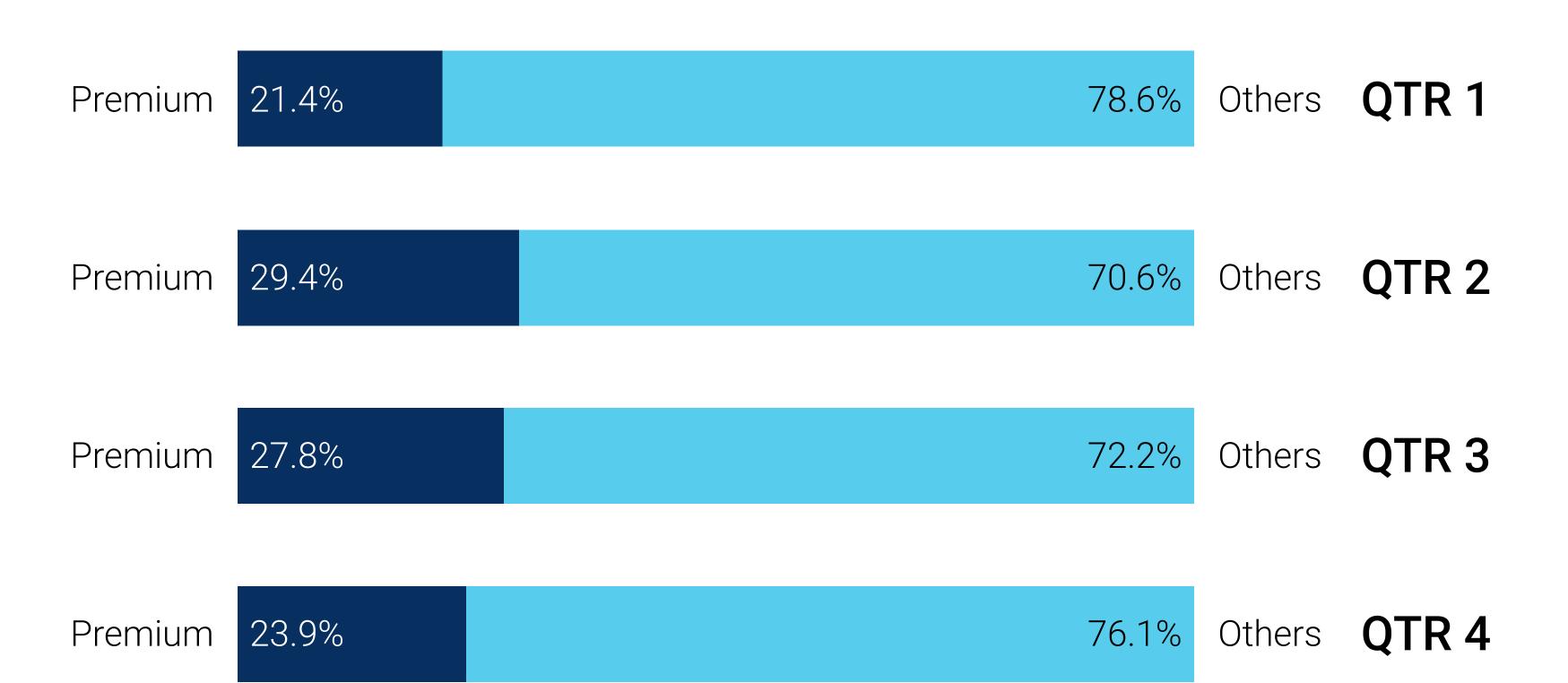




Premium

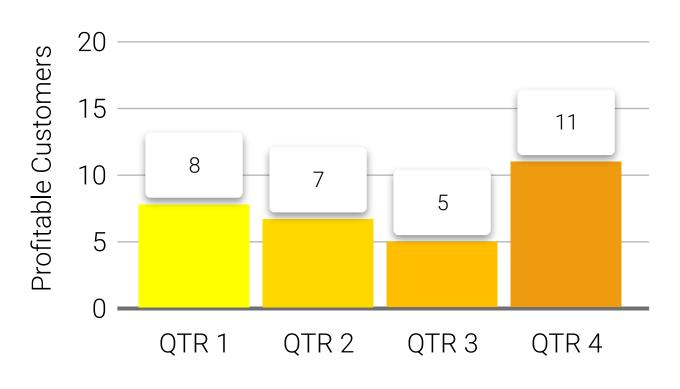


Premium

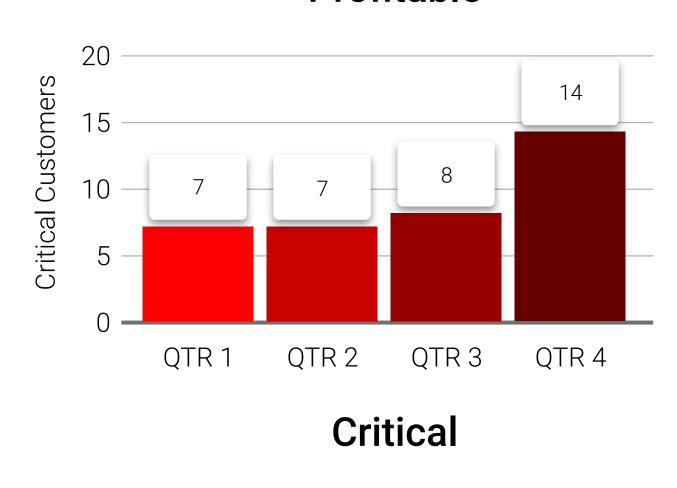


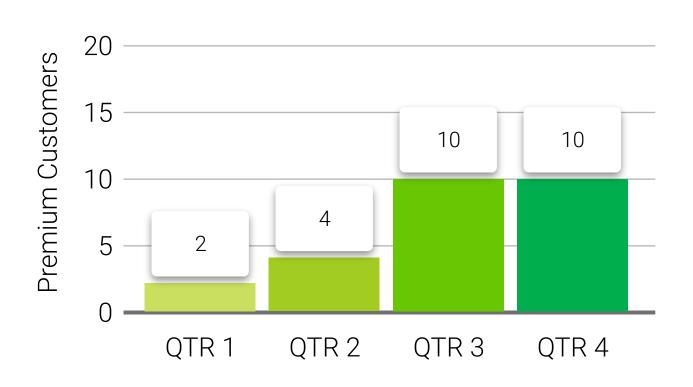
Quarters 2004

Quadrant Comparison

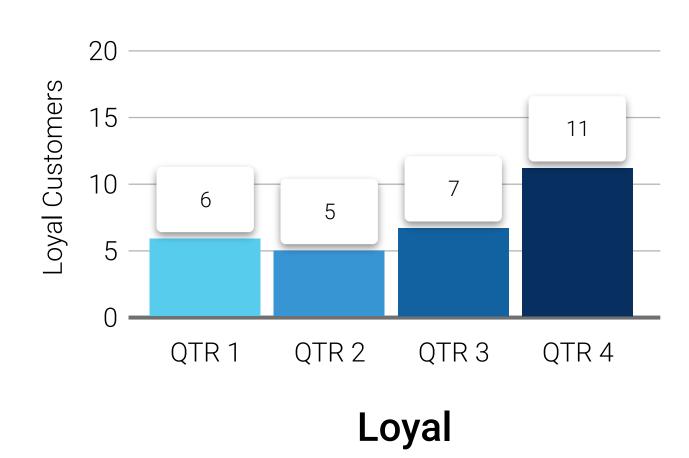


Profitable

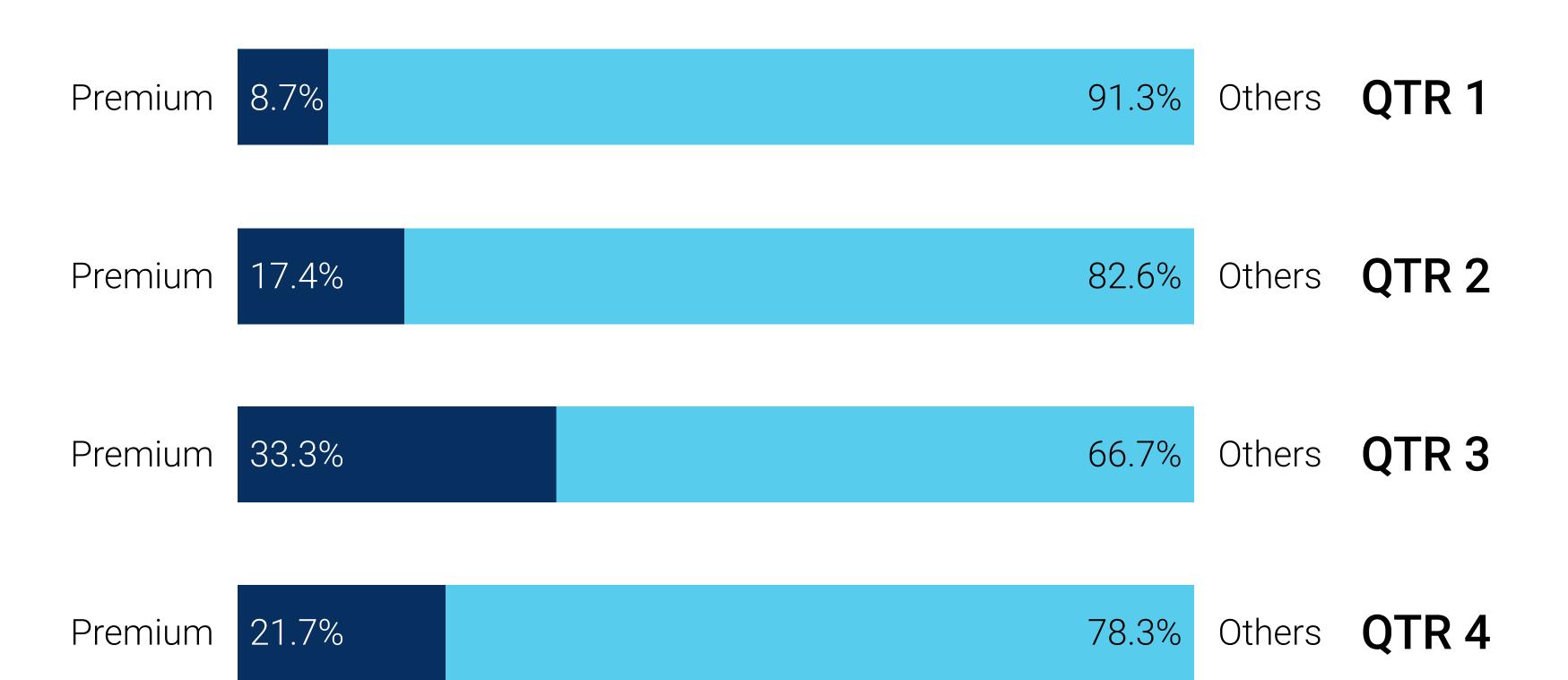




Premium



Premium



Conclusion of Yearly Analysis

- Total sales, number of customers, number of transaction and transaction per customer is increasing but average sales per customer is slightly decreasing that means in upcoming years critical and loyal customers will increase but customers who can give maximum business i.e. premium customer will decrease.
- 27.3% growth in new customer and 88.5% efficiency in retaining customers is a good sign for business. A team can also connect to those 11.5% customers who are not giving response. Connect, listen the query, solve it.
- In quadrants, every quadrant has a growth and one of the main reason is increase in number of customers but there is significant fall in premium customers. Hence, business has to look for their most connected customers to ensure that the maximum revenue should come from that section.
- Clearly, primary market which is giving maximum business is USA. Also, there are potential countries where business can look to expand:
 - a. France and Spain: Next potential market to get premium customers.
 - b. Germany and Finland: Research on buying behaviour.
 - c. Australia and UK: Already connecting with brand. Research on need of customers to increase the deal size and get a premium business.
- As per data, the loss of upper quadrant customers is significantly high than maintaining customers in same quadrant or being productive. This should be a point of concern. In depth:
 - a. Customers moving to critical quadrant is maximum. Review their buying behaviour to get the touchpoints that are missing out.
 - b. In total of maintaining customer, only 6.2% maintained in premium quadrant. Change the strategy to deal with premium customers.
 - c. Shifting to premium quadrant from other quadrant is 25% of total positive shifts. This section is going good.
- Season of business is last two quarters and also chance of getting premium business is high in 3rd and 4th quadrant.