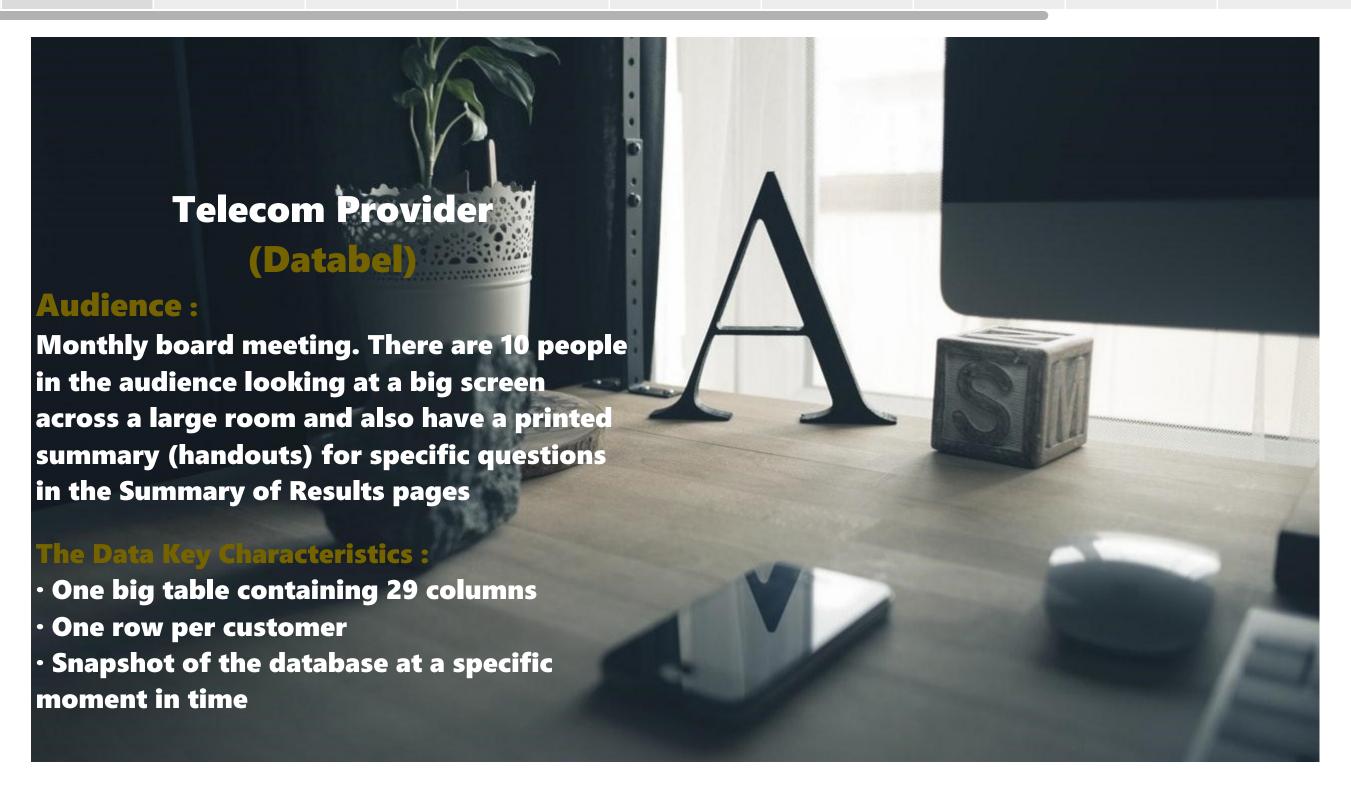
CCA The Who! The Why! Dashboard 1,1 Dashboard 1,4 1.2 Summary of Data Processing Questions! Dashboard 1,2 Age Dashboard 1,3 1.1 Summary of Steps! Overview Contract Type & Results Handouts Results Handouts Brackets & Groups Internation Charges Payment Method and Data Plan



CCA The Who! The Why! Questions! Dashboard 1,4 1.2 Summary of Data Processing Dashboard 1,1 Dashboard 1,2 Age Dashboard 1,3 1.1 Summary of Steps! Overview Brackets & Groups Contract Type & Internation Charges Results Handouts Results Handouts Payment Method and Data Plan



CCA The Who! The Why! 1.1 Summary of Data Processing Ouestions! Dashboard 1.1 Dashboard 1,2 Age Dashboard 1,3 Dashboard 1,4 1.2 Summary of Steps! Overview Brackets & Groups Contract Type & Internation Charges Results Handouts Results Handouts Payment Method and Data Plan

Why does customer churn analysis matter?

Problem Description

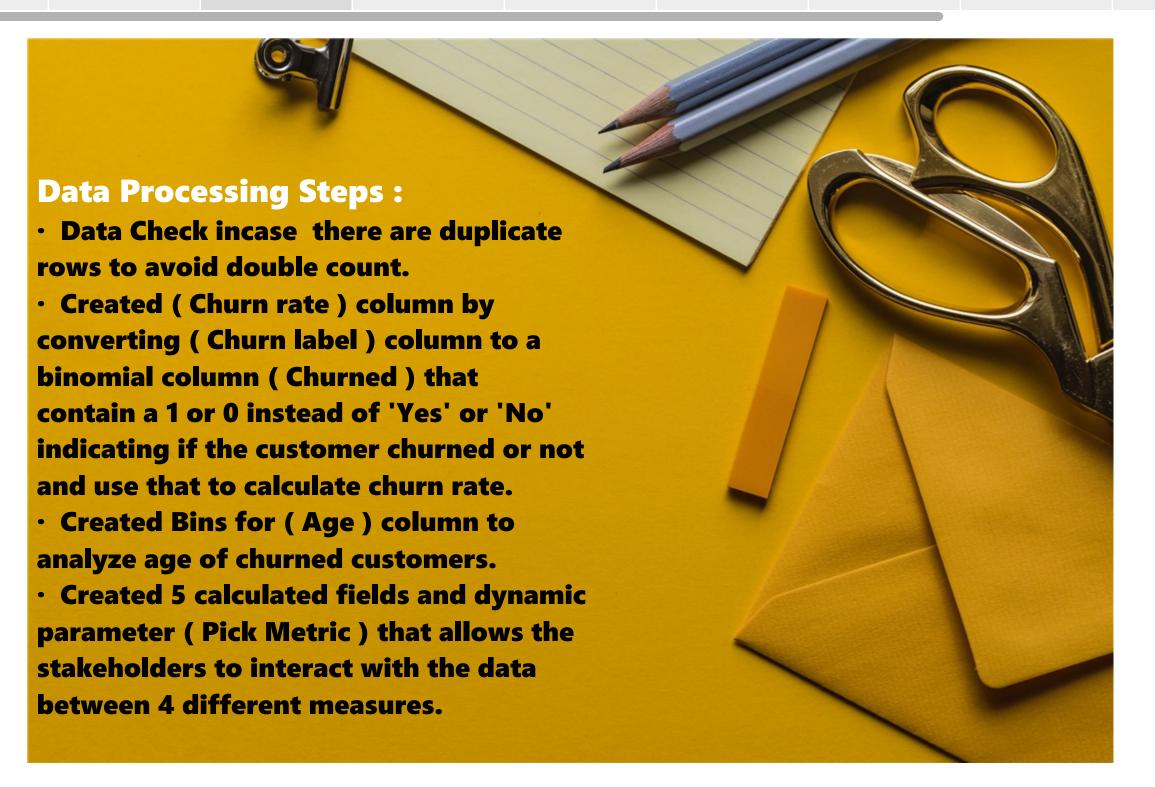
- -As customer churn becomes a major contributor to the decline in revenue, it becomes crucial for businesses to bring it under control using cognitive technologies to collect, analyze and visualize real-time customer data to find analytics solutions.
- For subscription-based businesses, reducing customer churn is a top priority, Databel suffering from Leaky bucket problem which means customers stopped doing business with the company.
- Since keeping customers is easier than getting new customers Databel tasked our team figuring out why customers are churning at the rate they are.

Business Case/Other Goals

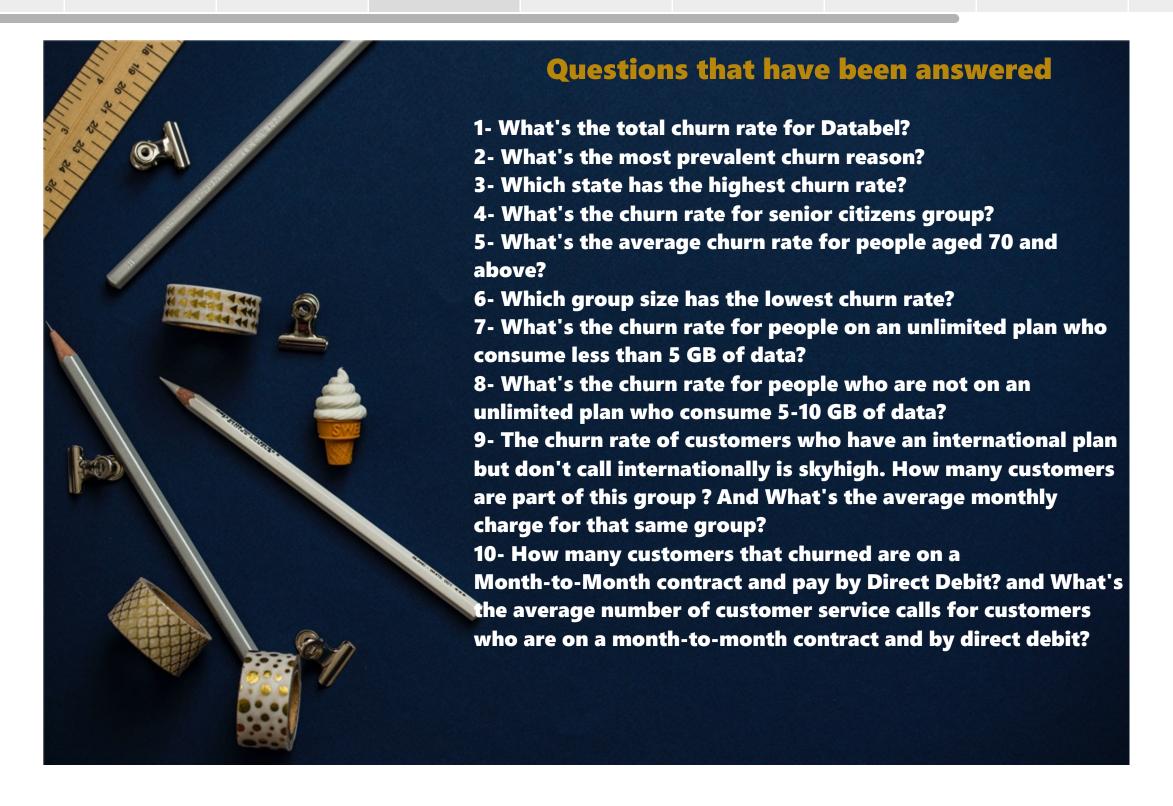
- Analyze databel data to discover why customers are churning.
- Investigating churn patterns and find ways to reduce churn rate.



CCA The Who! Ouestions! Dashboard 1.1 1.2 Summary of The Why! Data Processing Dashboard 1,2 Age Dashboard 1,3 Dashboard 1,4 1.1 Summary of Steps! Overview Brackets & Groups Contract Type & Internation Charges Results Handouts Results Handouts Payment Method and Data Plan



CCA The Who! Dashboard 1,4 The Why! Data Processing Questions! Dashboard 1.1 Dashboard 1,2 Age Dashboard 1,3 1.1 Summary of 1.2 Summary of Steps! Overview Brackets & Groups Contract Type & Internation Charges Results Handouts Results Handouts Payment Method and Data Plan



CCA The Who! The Why! Data Processing Questions! Dashboard 1,1 Dashboard 1,4 1.2 Summary of Dashboard 1,2 Age Dashboard 1,3 1.1 Summary of Steps! Overview Contract Type & Internation Charges Brackets & Groups Results Handouts Results Handouts Payment Method and Data Plan

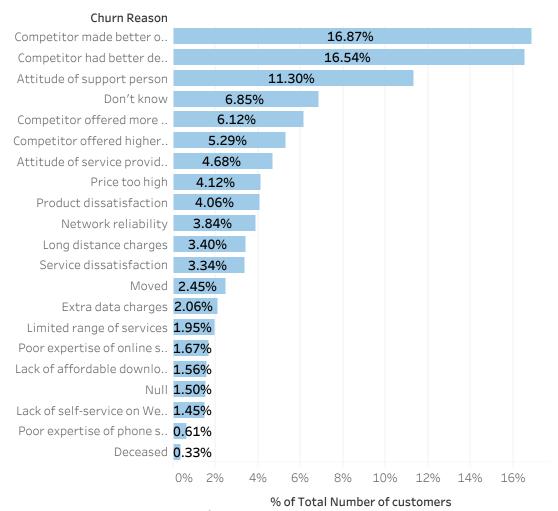
You Can Use the Bar, Map, Pie and Doughnut charts as a Filter

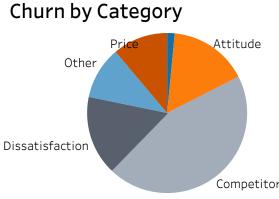
Overview KPIs

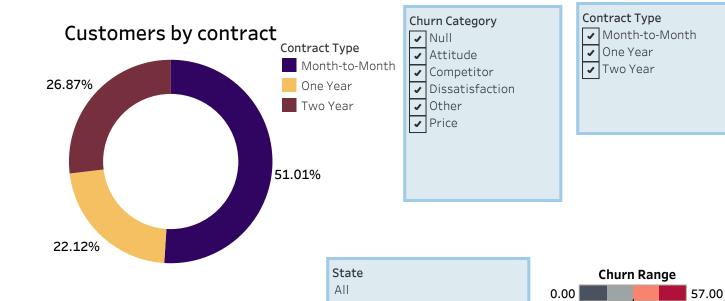
Of Customers 6,687 # Of Churned Customers Chu 1,796 2

Churn Rate 26.86%

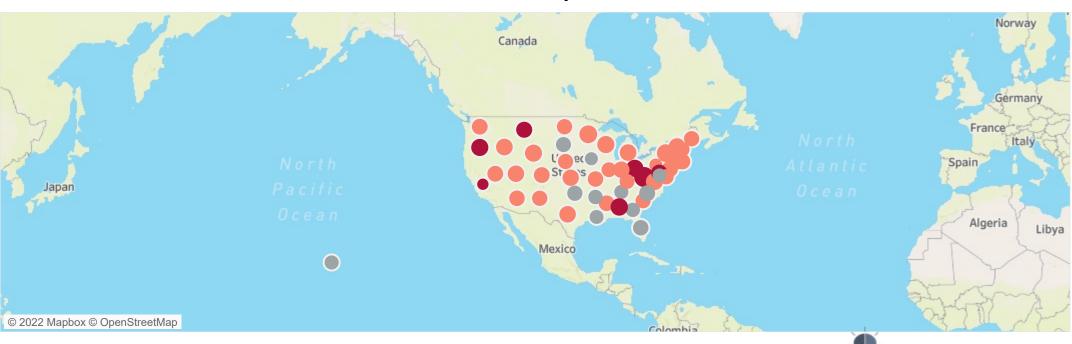
Churn Reasons Analysis





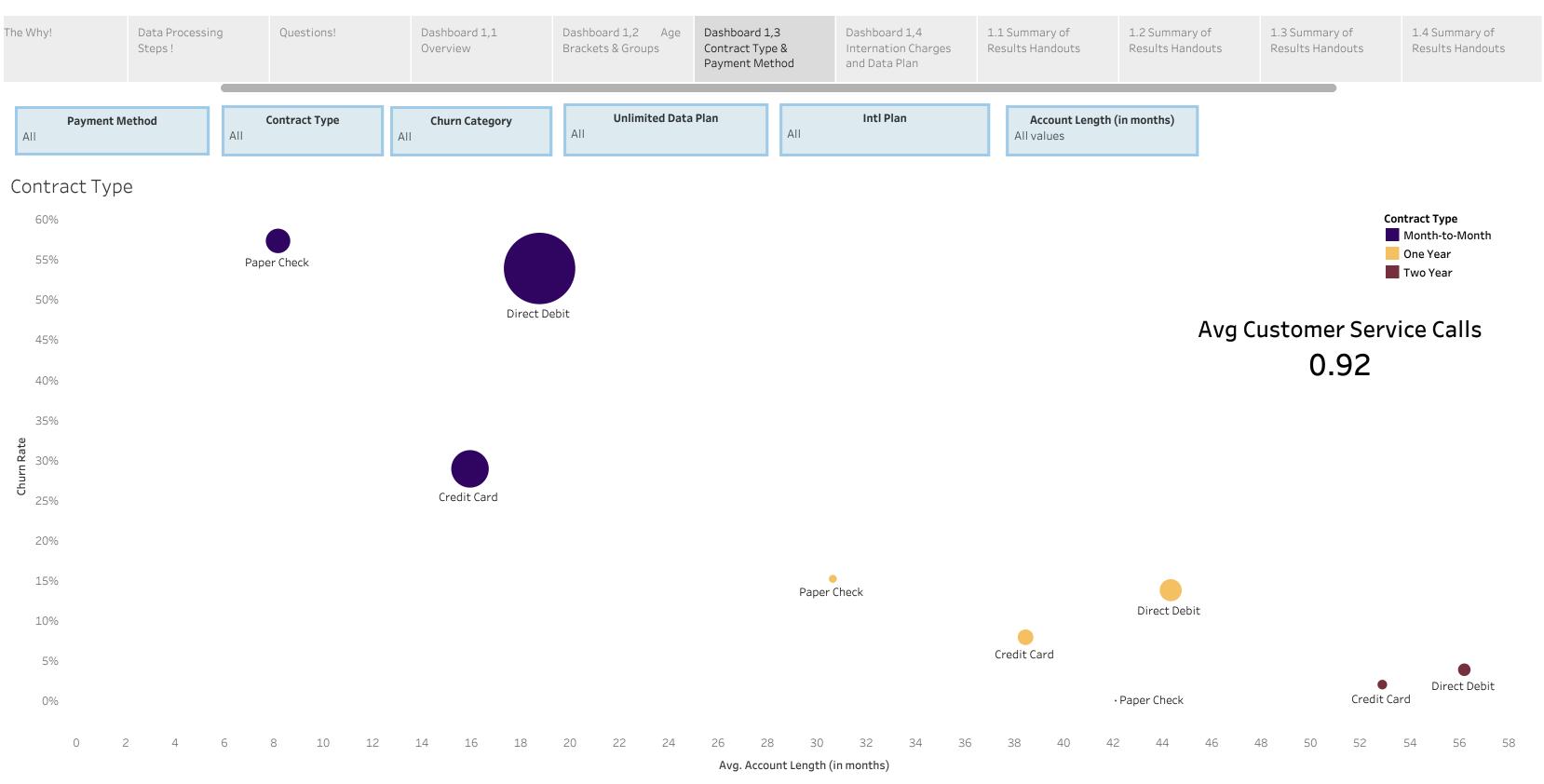


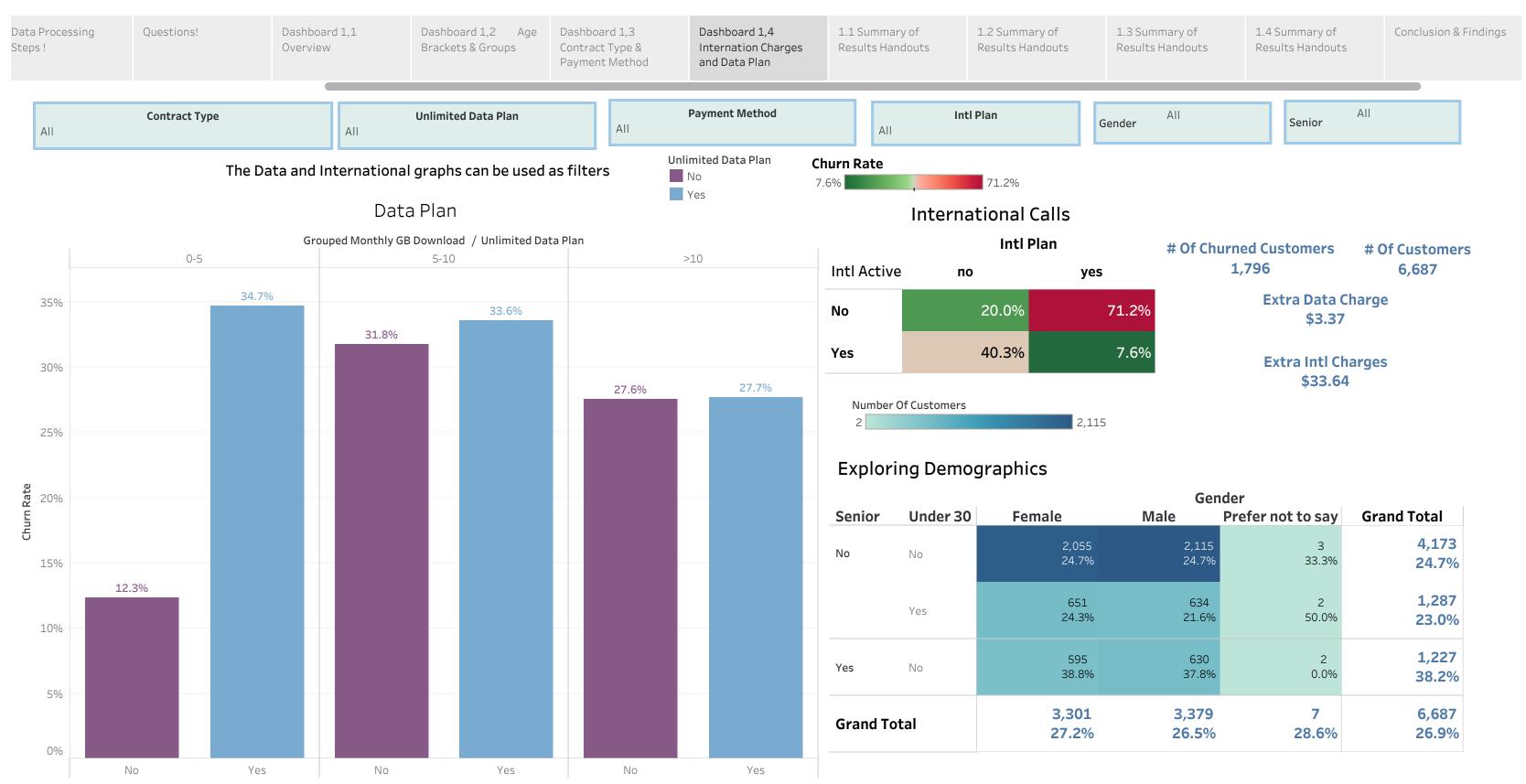
Churn Rate By State











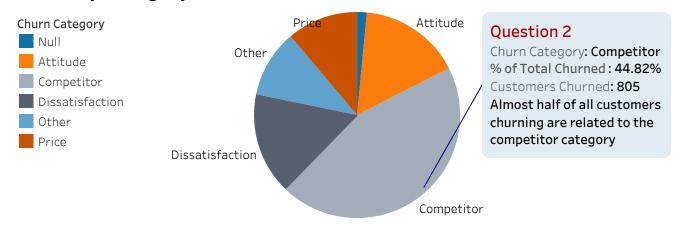
Questions! Dashboard 1,1 Dashboard 1,2 Age Dashboard 1,3 Dashboard 1,4 1.1 Summary of 1.2 Summary of 1.4 Summary of Conclusion & Findings The End 1.3 Summary of Overview Brackets & Groups Contract Type & Internation Charges Results Handouts Results Handouts Results Handouts Results Handouts Payment Method and Data Plan

Question 1

Churn Rate 26.86%

The average churn rate for Databel is ~27% It is considered a high rate so we need to explore more to understand.

Churn by Category



Exploring Demographics

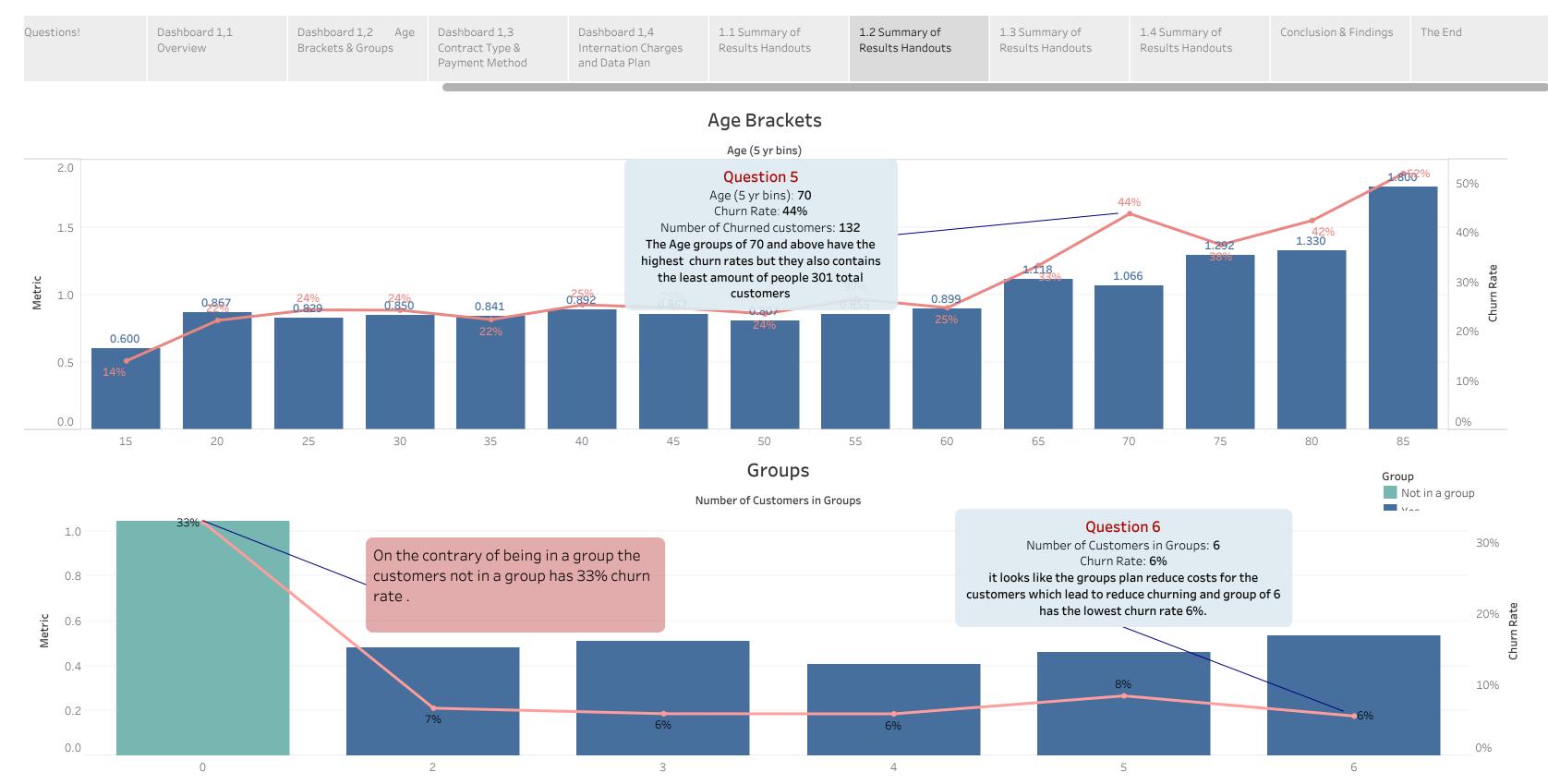
		Gender			
Senior	Under 30	Female	Male	Prefer not to say	Grand Total
No	No	2,055 24.7%	2,115 24.7%		fender: All 24.7% enior: Yes
	Yes	651 24.3%	634 21.6%	N of cu	nder 30: No stomers: 1,227 n Rate: 38.2 %
Yes	No	595 38.8%	630 37.8%	2 0.0%	1,227 38.2%
Grand Total		3,301 27.2%	3,379 26.5%	7 28.6%	6,687 26.9%

Question 4

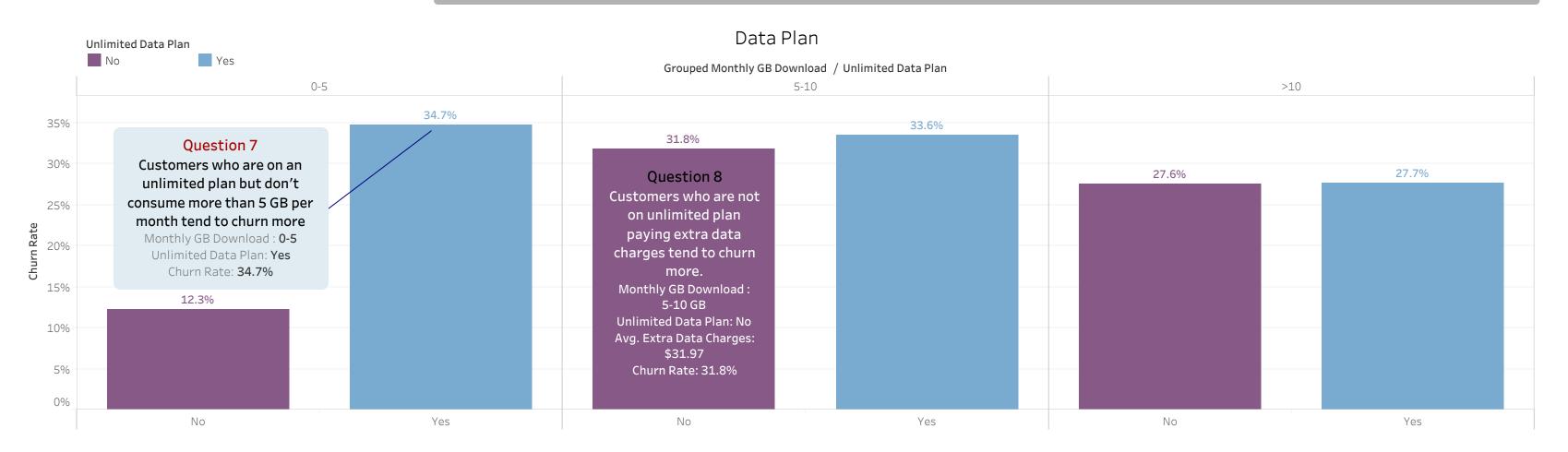
Senior Citizens Churn rate ~38% is around 10% higher than the average churn rate for the company, its significantly high so further analysis is a must.

Churn Rate By State





Dashboard 1,3 1.2 Summary of Questions! Dashboard 1,1 Dashboard 1,2 Age Dashboard 1,4 1.1 Summary of 1.3 Summary of 1.4 Summary of Conclusion & Findings The End Overview Brackets & Groups Contract Type & Internation Charges Results Handouts Results Handouts Results Handouts Results Handouts Payment Method and Data Plan



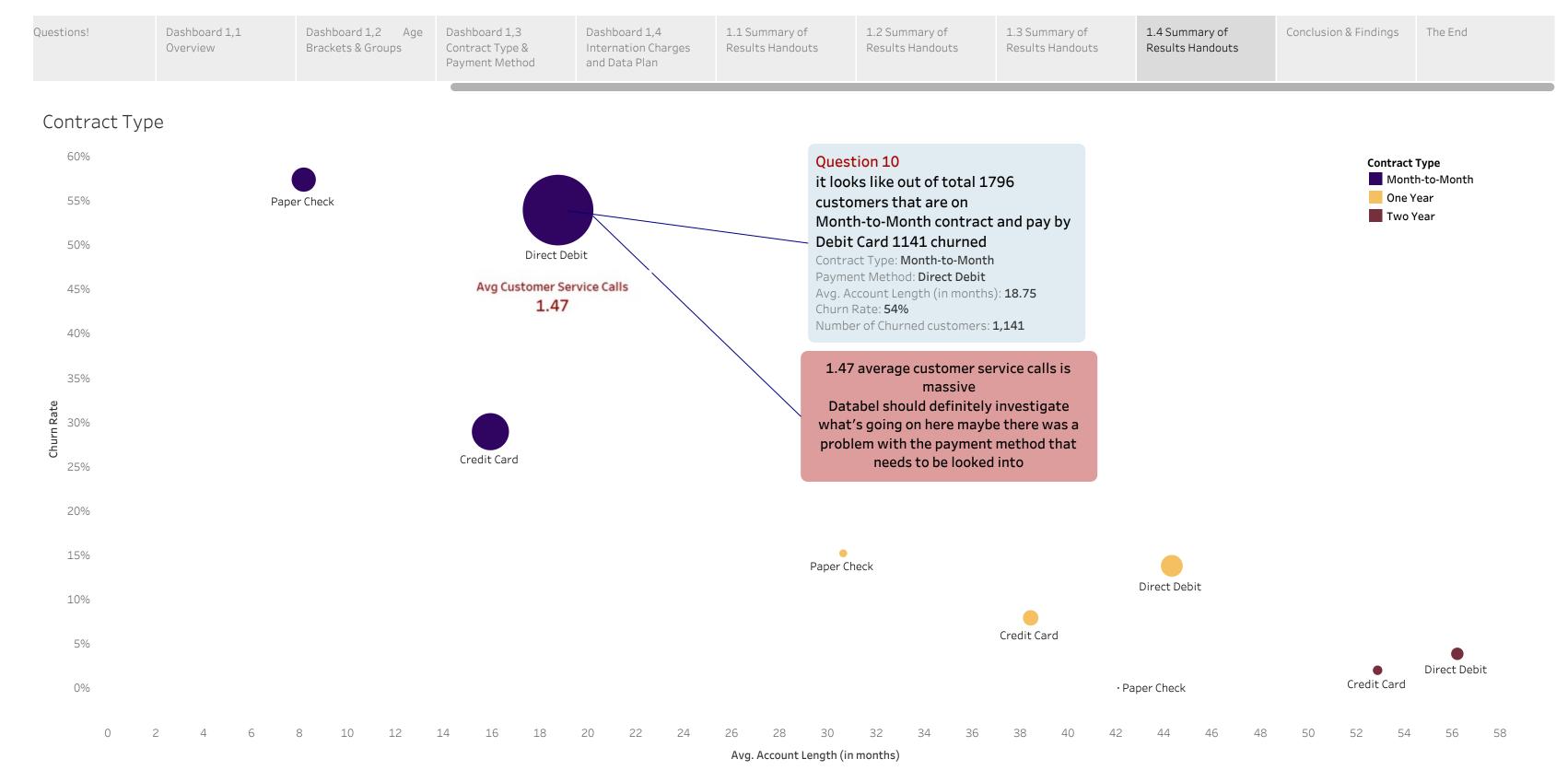


Question 9

The churn rate of customers who have an international plan but don't call internationally is ridiculously high but there are not that many customers part of this group

Intl Active: No Intl Plan: Yes Avg. Monthly Charge: \$33.12

N of customers: 177 Churn Rate: 71.2%



Dashboard 1.1 Questions! Dashboard 1,2 Age Dashboard 1,3 Dashboard 1.4 1.1 Summary of 1.2 Summary of 1.3 Summary of 1.4 Summary of Conclusion & Findings The End Overview Brackets & Groups Contract Type & Internation Charges Results Handouts Results Handouts Results Handouts Results Handouts Payment Method and Data Plan

Conclusion & Findings

- The logical next step is to investigate the reasons for almost half of company's customers churning for it's competitors (what are they offering more than Databel ? is it cheaper plans or extra usage of GBs).
- Competitors launched aggressive promos in certain states an example of that is 64% churn rate in California so Databel should start deepdive analysis in these states.
- Customers aged +60 tend to churn and +70 customers have the highest churn rate but they also contain the least amount of people.
- · As we inspected group contracts we found that monthly charges is lower for people who are in the same group of 2 or more thats a strength point for Databel and the group size of 6 people has the lowest churn rate, Databel should increase their offers in that field.
- As we analyzed the international activity of customers and its relationship to churn we found that the behavior of customers who pay for an international plan but don't call internationally is skyhigh so Databel should contact these group of customers to propose them to downgrade their plan instead of losing them later .
- As we analyzed contract types we found that Month-to-Month contract and Direct Debit payment method have +50% churn rate with 1.47 average customers service calls we advice Databel to check if there is a problem with that payment method.
- · Lastly on our analysis pushing customers to a one or two year contract is a great way to reduce churn.

Questions! Dashboard 1,1 Dashboard 1,2 Age Dashboard 1,3 Dashboard 1,4 1.1 Summary of 1.2 Summary of 1.4 Summary of Conclusion & Findings 1.3 Summary of The End Overview Brackets & Groups Contract Type & Internation Charges Results Handouts Results Handouts Results Handouts Results Handouts Payment Method and Data Plan

