

Analyzing Customer Churn

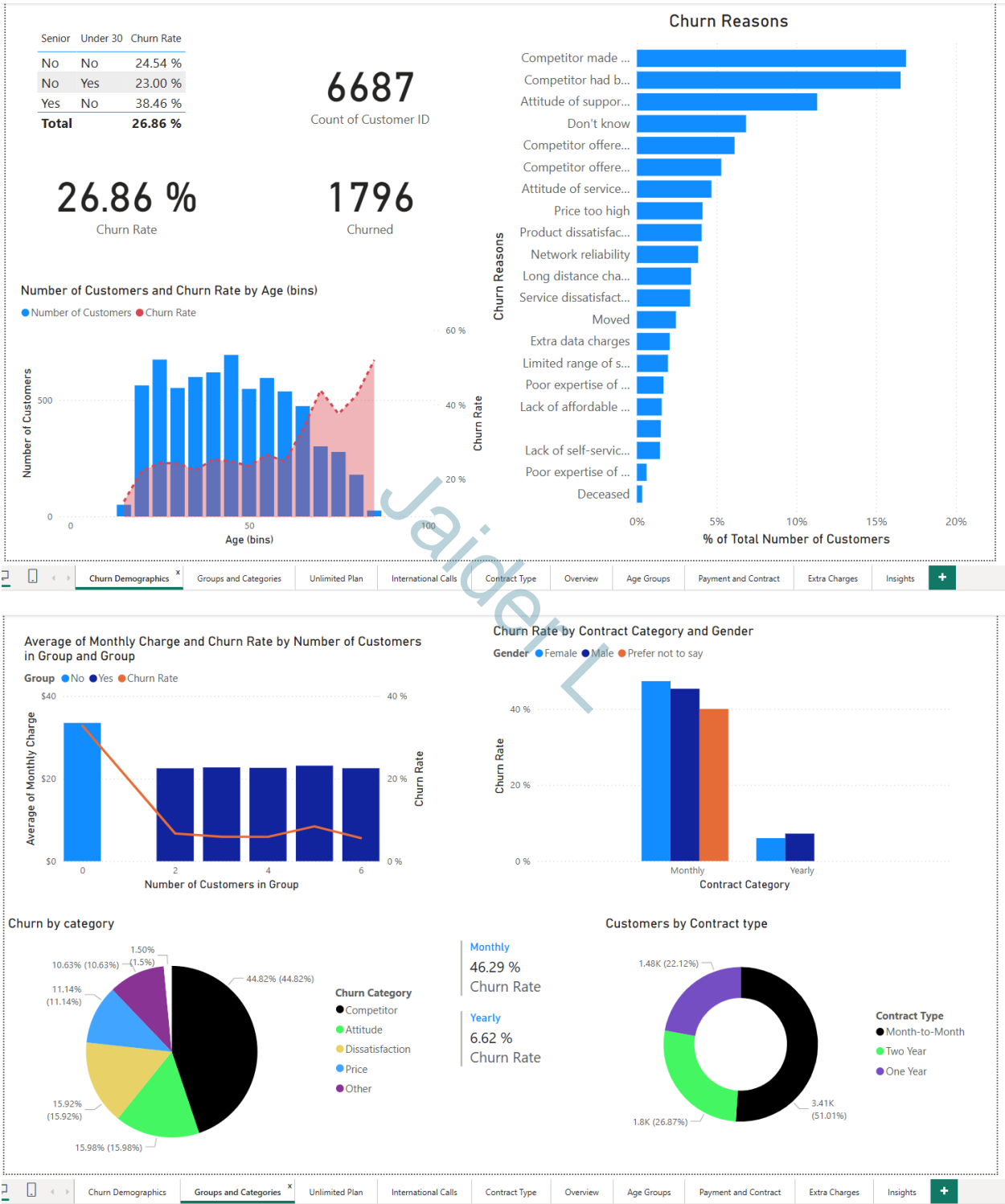
This Power BI project is a case study in data analysis, aimed at discovering why customers from a fictitious Telecom provider are churning.

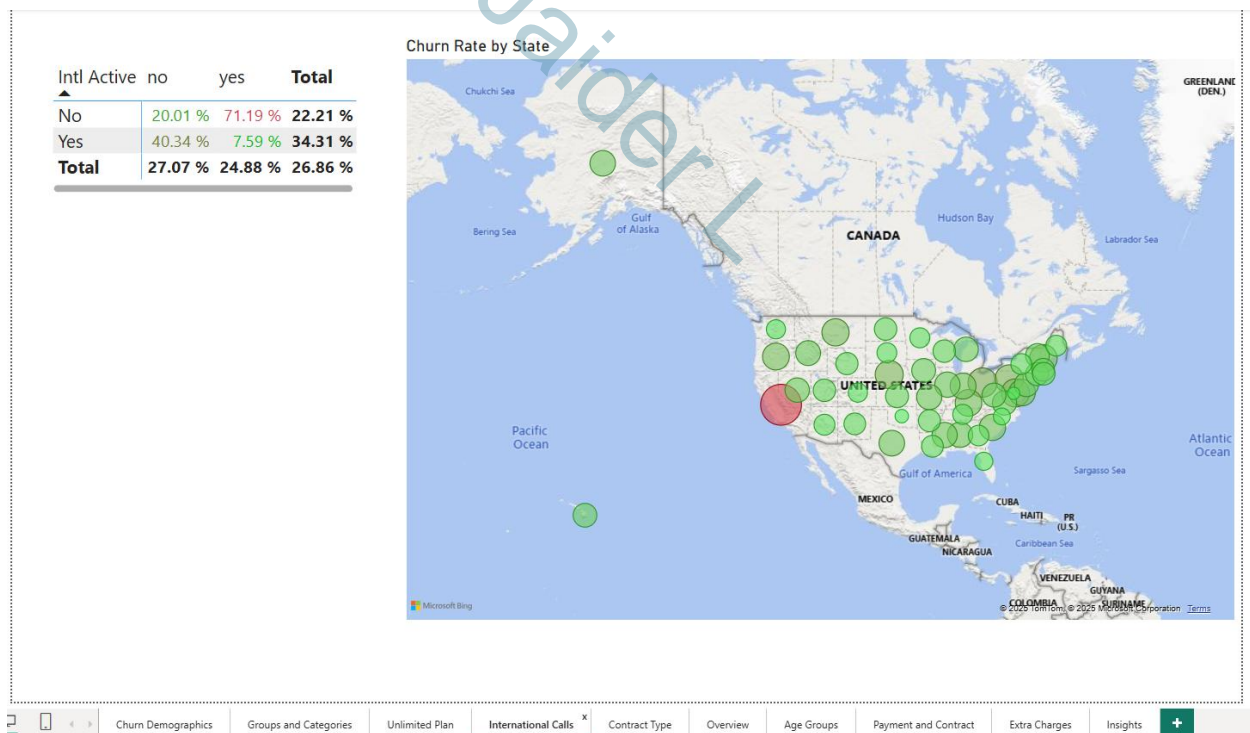
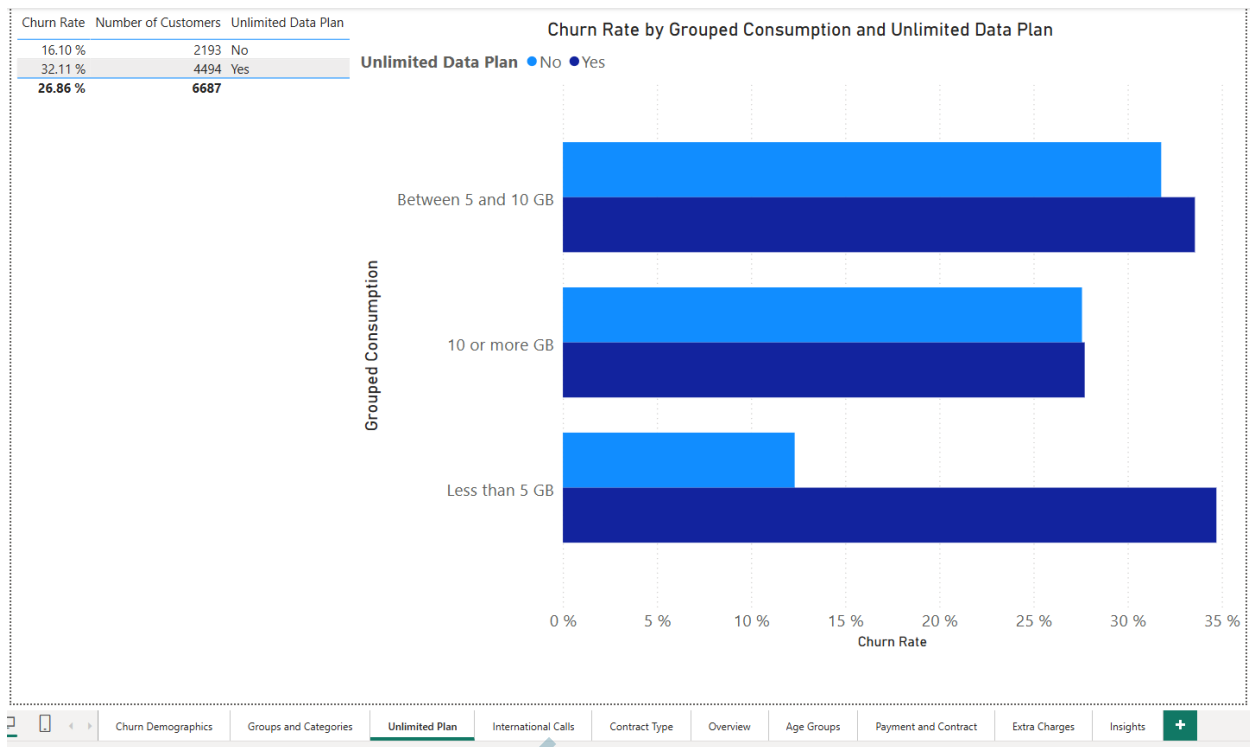
The churn rate is the rate at which customers stop doing business with a company.

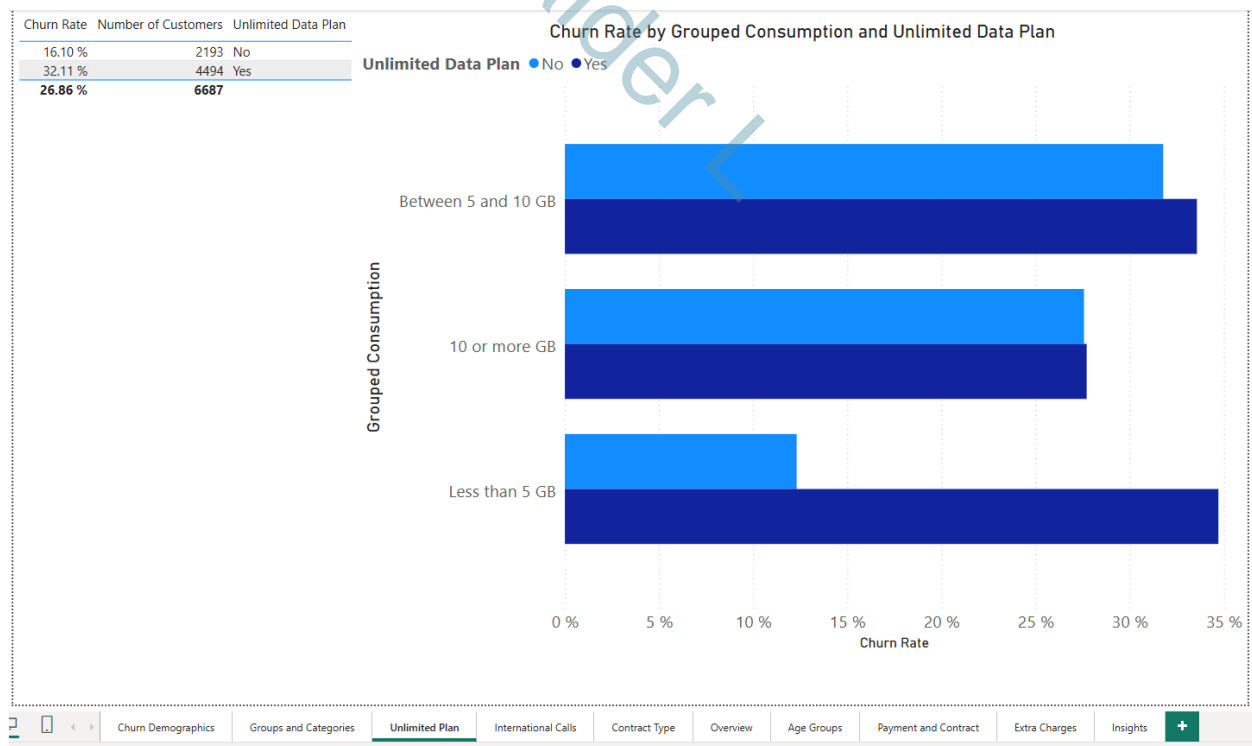
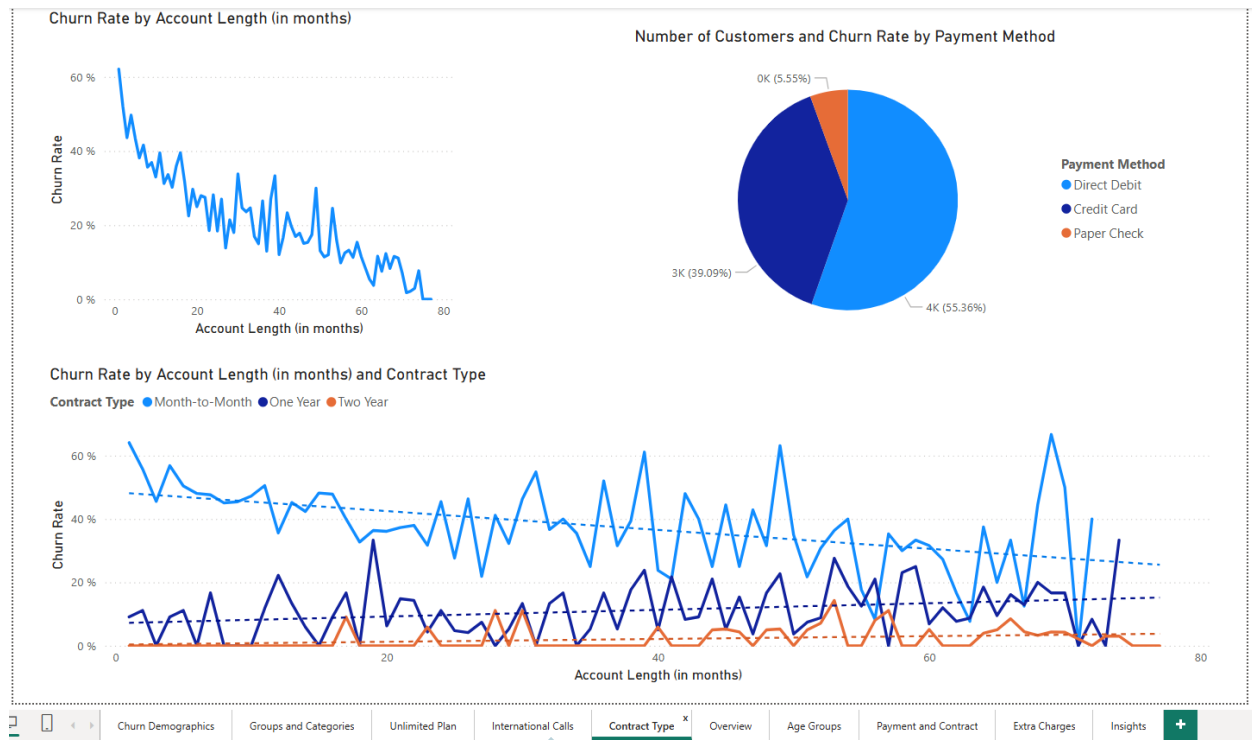
It is important for companies to retain their customers and keeping them is usually cheaper than getting new ones.

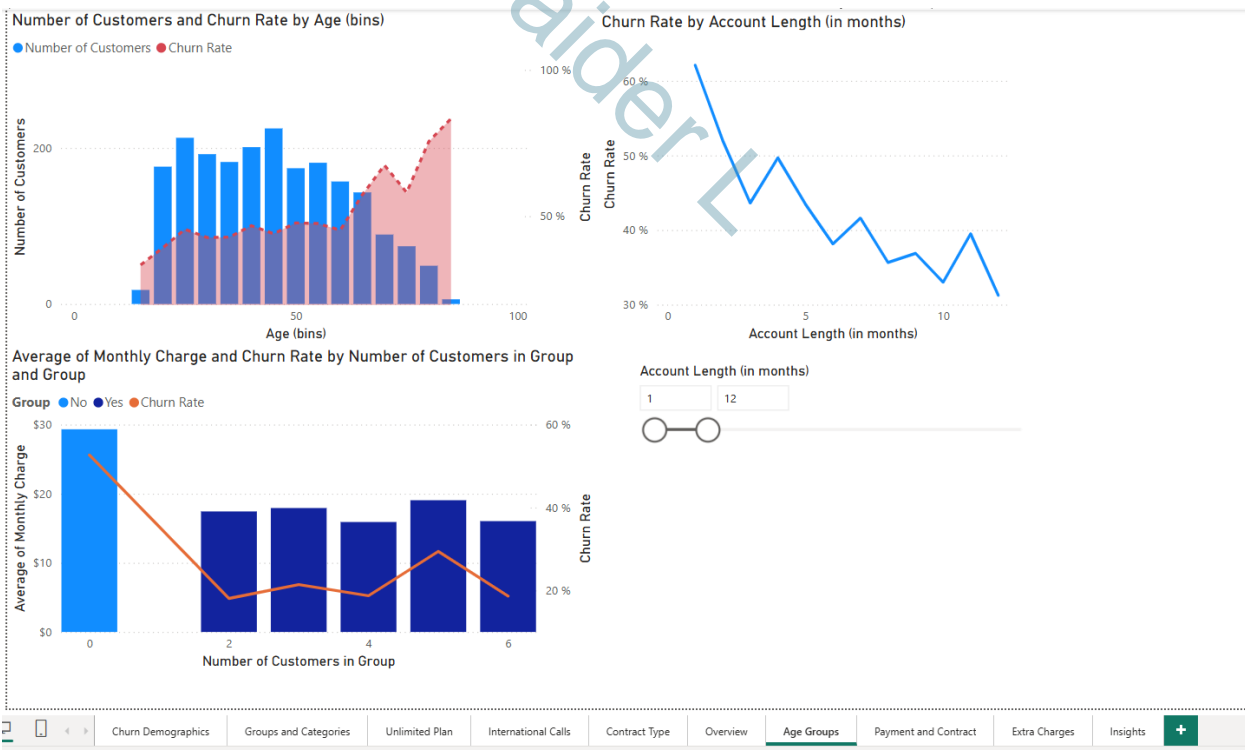
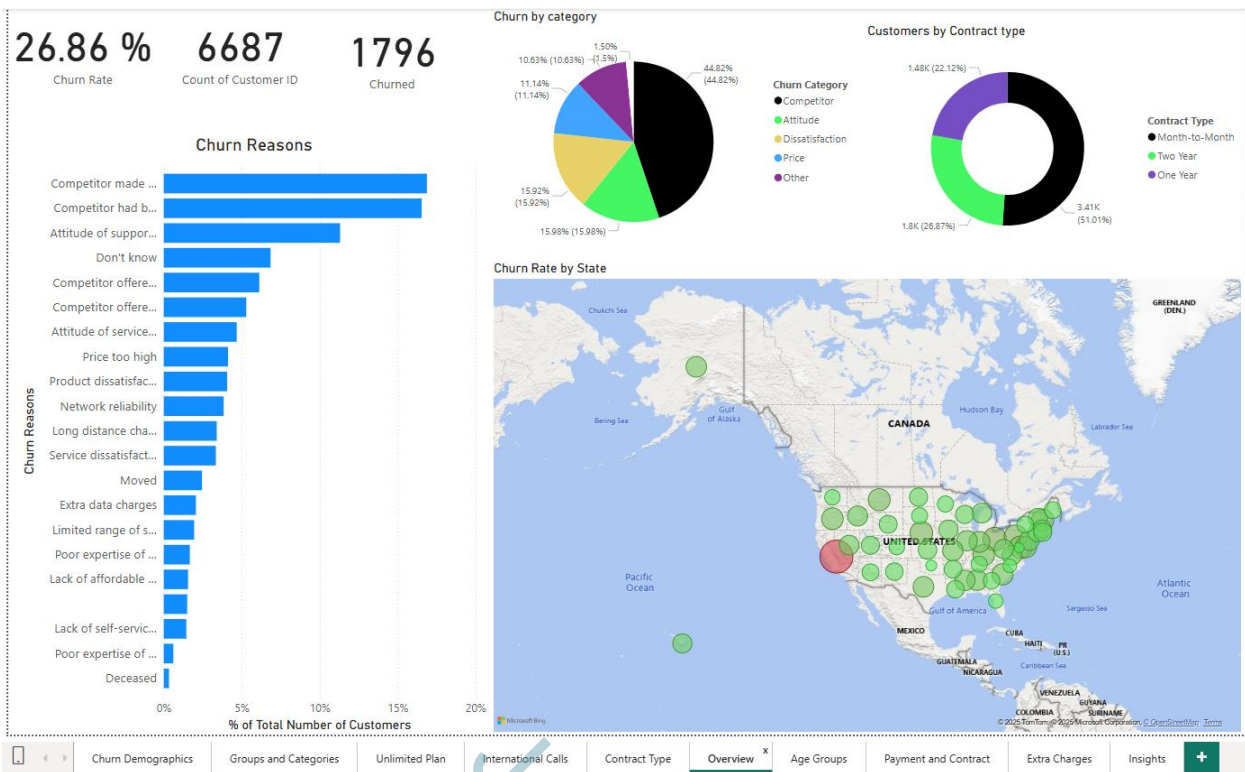
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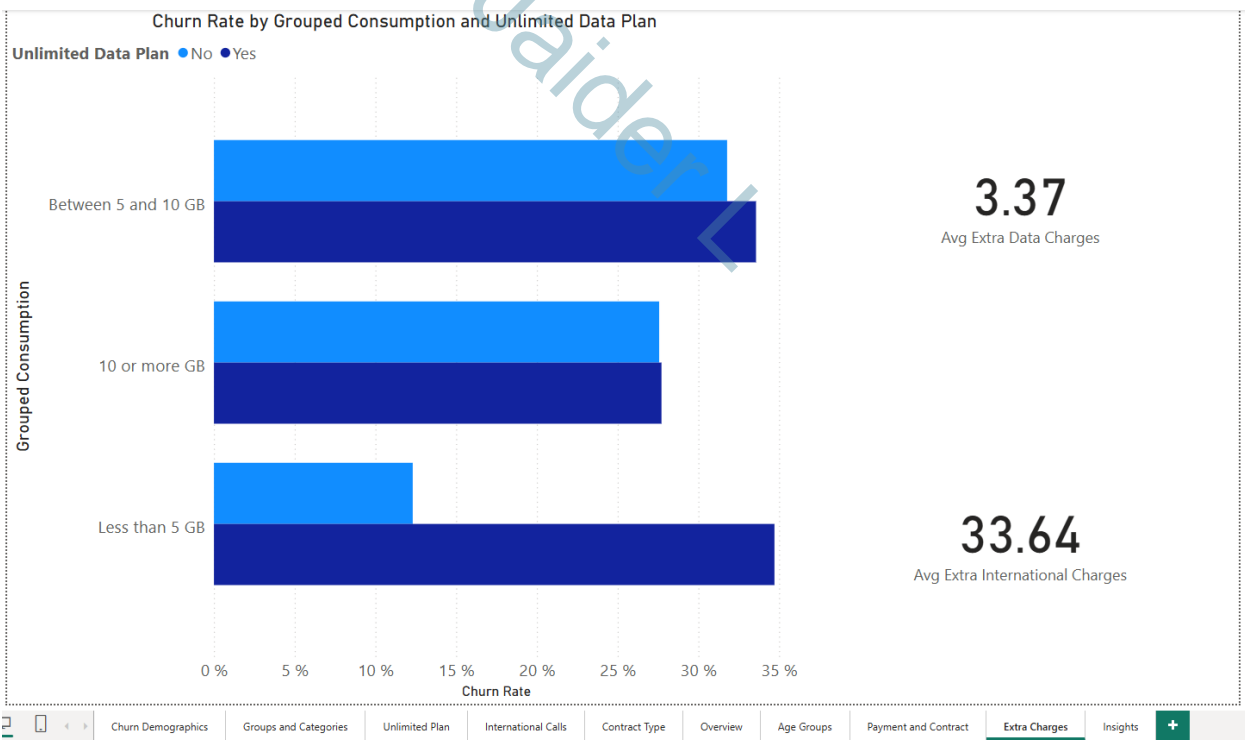
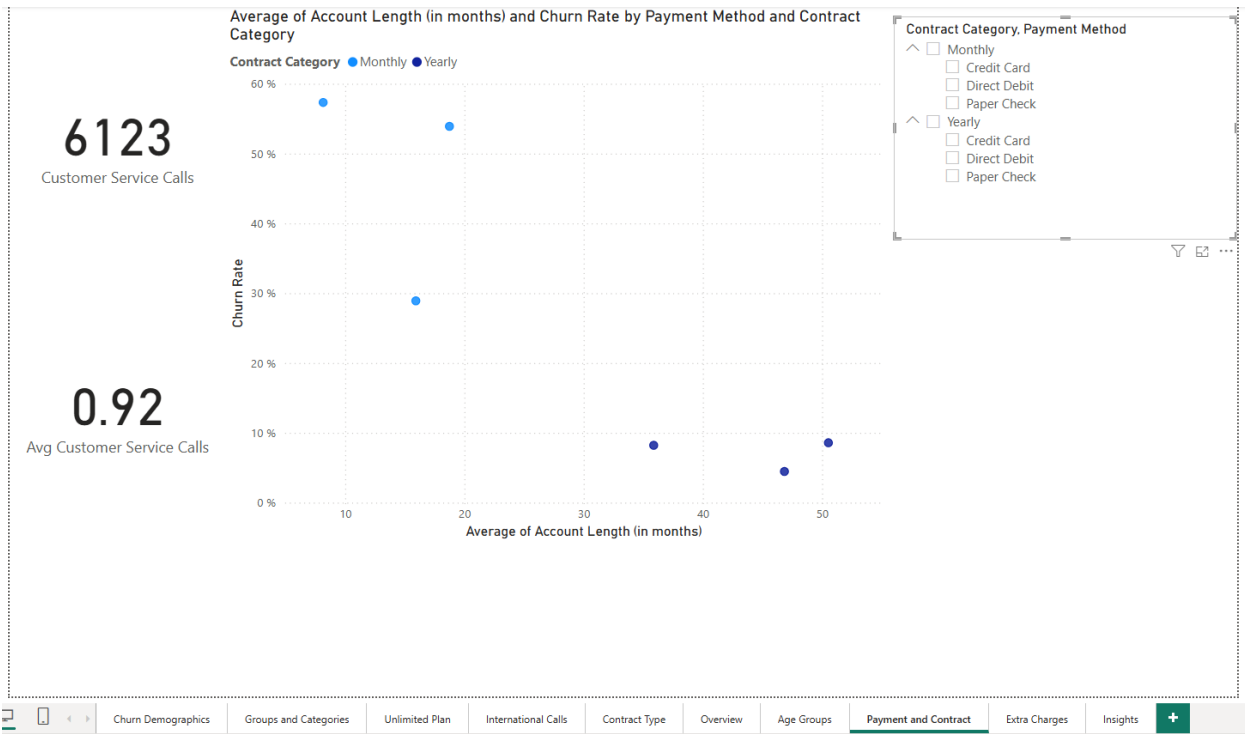
The Dashboard











6123

Customer Service Calls

3.37

Avg Extra Data Charges

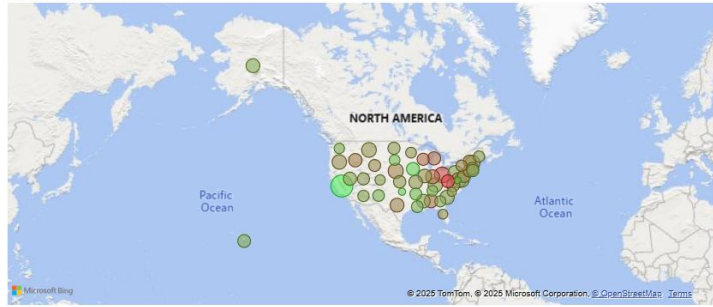
0.92

Avg Customer Service Calls

33.64

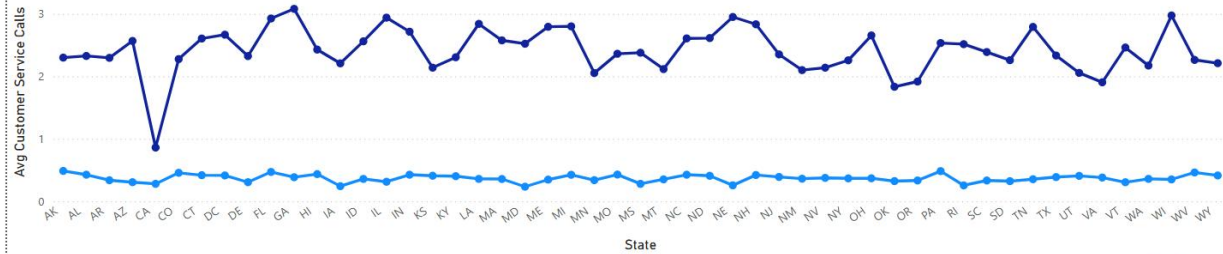
Avg Extra International Charges

Churn Rate by State



Avg Customer Service Calls by State and Churn Label

Churn Label ● No ● Yes



Most Relevant Findings

1. The churn rate for this Telecom company is ~27%.
2. Over 44% of the reasons why customers churn is related to competitors.
3. The churn rate in California is abnormally high (above 63%) but not related to customer services (lowest volume of service calls in the country).
4. The churn rate is higher for new accounts (~62%), dropping to half after 18 months
5. Customers of a Month-to-Month contract type have significantly higher churn rates than those committed in one year or two years contracts.

Actionable Insights

- 44% of churn is driven by competitors offers. To remain competitive, the company should proactively launch new services and benefits to attract and retain customers. Special attention should be given to high-churn segments, such as customers in California and those over 50.
- Promote exclusive product discounts to customers on month-to-month contracts to encourage conversion to long-term commitments.