

Telecom Customer Churn

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The Data Set

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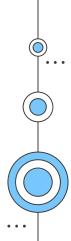


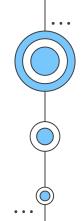
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The Data Set





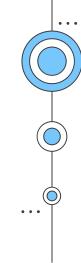
Churn data for a fictional
Telecommunications company that
provides phone and internet services in
California, and includes details about
customer demographics, location,
services, and current status up to June
2022.

Over 7,000 Customers

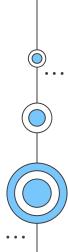
Over 21.3M\$
In Revenue

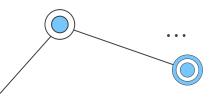
US Telecom Est. Market Value 583B\$ (2021)*

^{*} https://www.statista.com/study/15820/telecommunications-in-the-us/

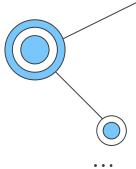


02 Research Questions





Research Questions



01

Amount

How many customers have churned?

02

Value

What is the average value of a customer in relevant demographic groups and services?

03

Churn Rate

What is the churn rate across these groups and services?

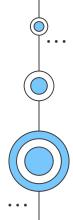
04

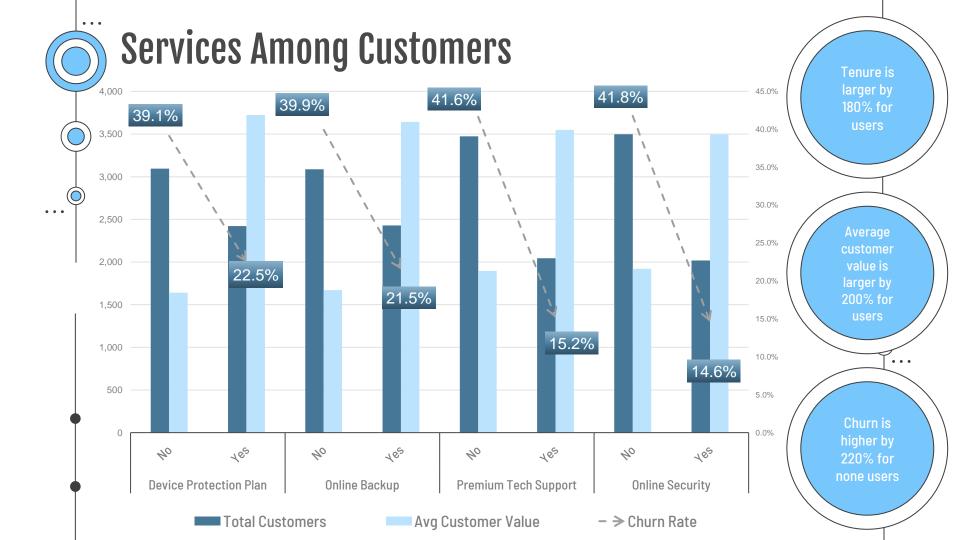
Customers

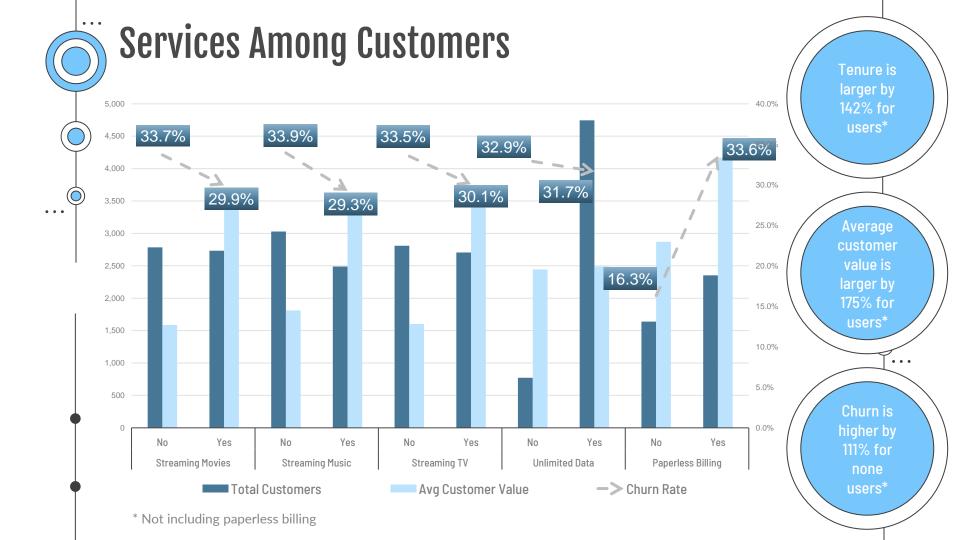
Why do customers churn, and how can the company prevent it?

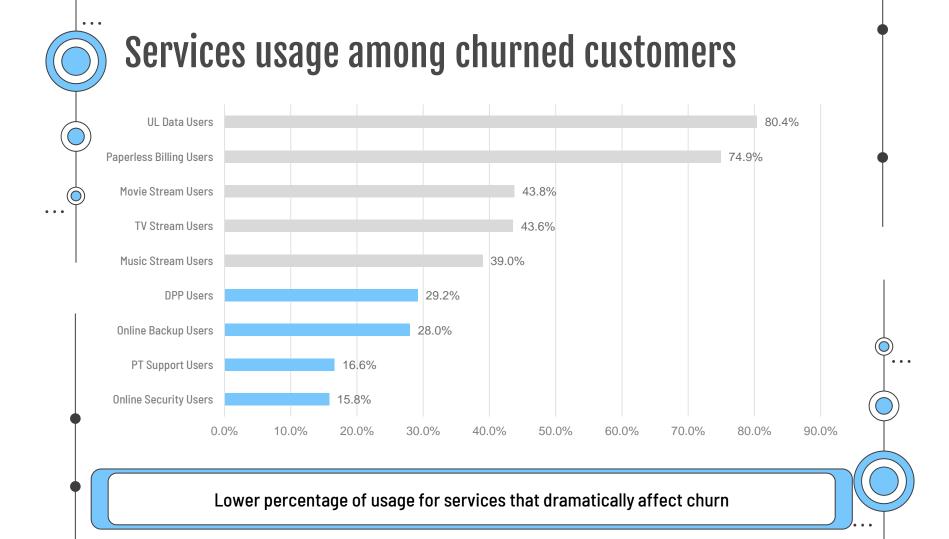


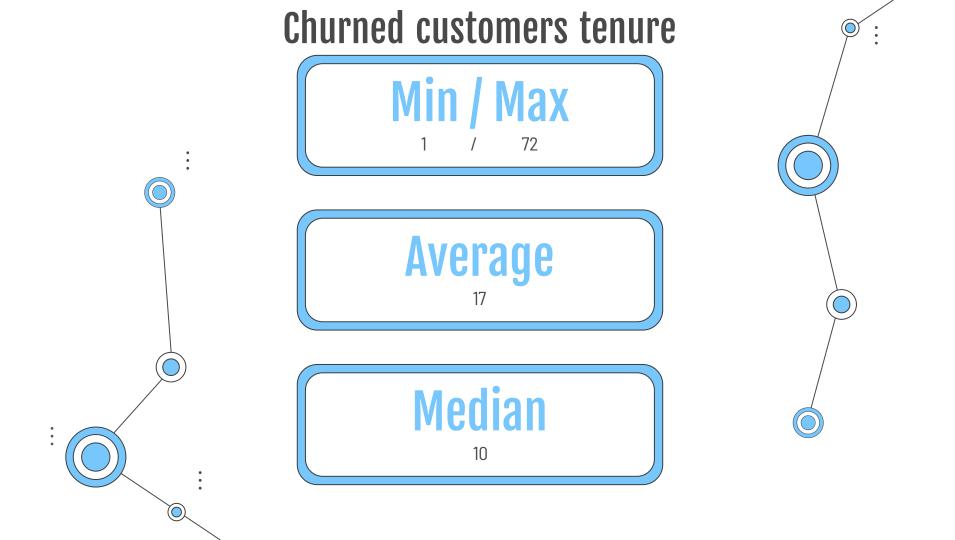
03 Analysis

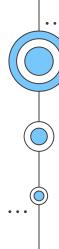












How can the company prevent churn?

Understanding what are the key services

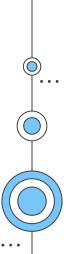
- Device Protection Plan
- Premium Tech Support
- Online Security
- Online Back up

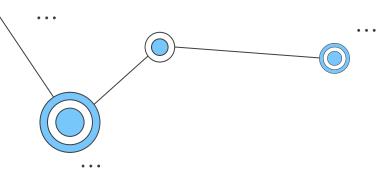
Median tenure for churned users

• Ranged between 9 to 11.5 months

No customer retention system

Proposing a formula for churn detection

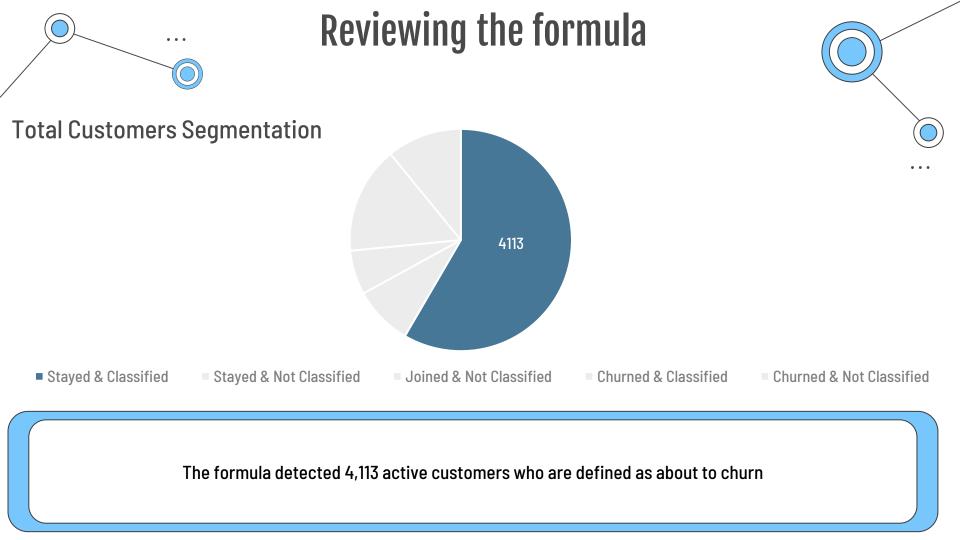


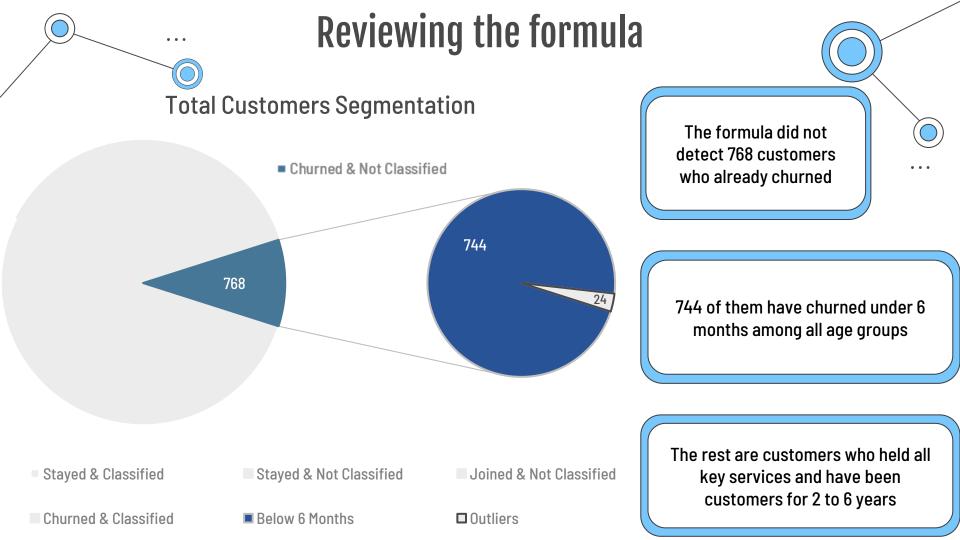


The formula proposed defines "about to churn" customers if:

- Customers are at least 6 months in
- 2. One of the key services is not in use by the customer







Conclusions & Recommendations

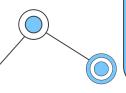
What can be done?

Offering new customers a 6 months trial of the key services – either free or in an attractive discount

Regulating offers for "about to churn" customers



Successful offers will increase value and decrease churn

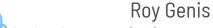


Thanks!



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