Factors leading to churn

solution to Step Up - BT career challenge

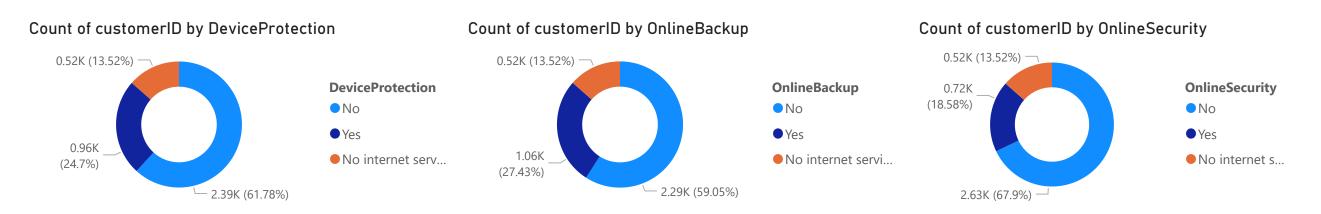
by Magdalena Choromanska

Let's explore how type of contract affects churn.

- .55% of all customers are on a month-to-month contract
- •The proportion of churn for customers on a month-to-month contract is 43%
- ·Conversely, among all churning customers, 89% is on a month-to-month contract, while 9% is on a one-year contract.

So there is an association between contract type and churn.

Let's look at the features of customers with a month-to-month contract.



A majority of these customers do not use our services, like device protection, online backup and online security.

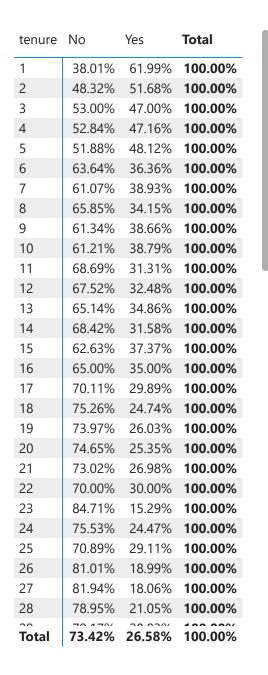
Recommendations:

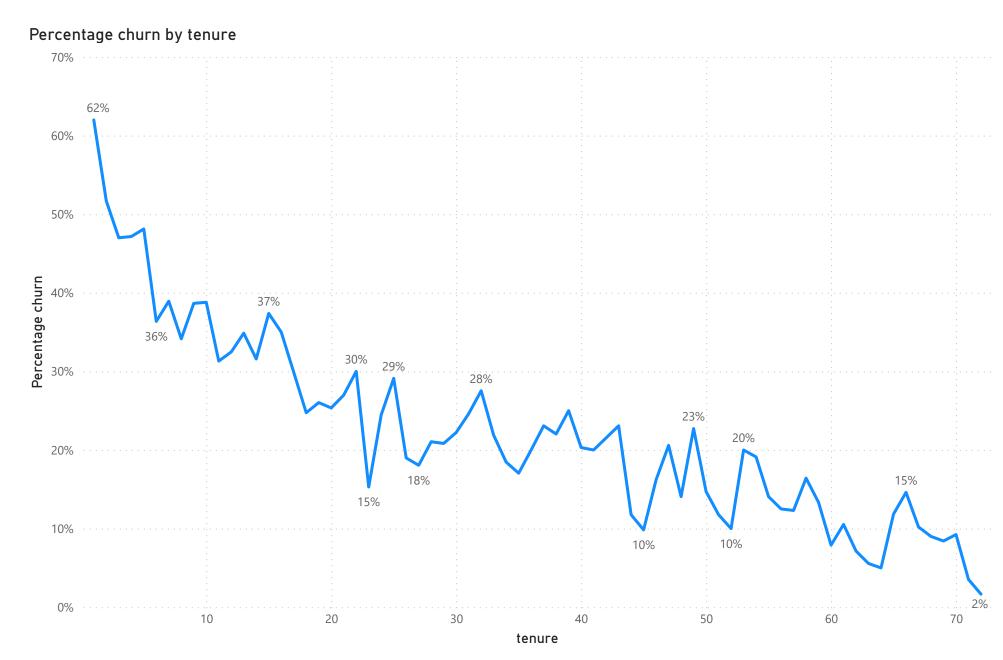
- ·Create an e-mail marketing campaign targeting customers on month-to-month contracts, advertising the benefits of set-term contracts.
- Offer free trials of services to encourage these customers to use them.

55.11%

customers have a month-to-month contract

Likelihood of churn decreases with tenure. Additionally, churn is very high, nearing 50%, for customers with tenures of 1 to 5 months. What insights can we find about these customers?





19.34%

of all customers

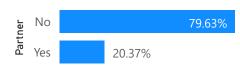
We will explore features of customers with tenures of less than 6 months.

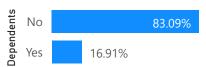
Among these customers, the proportion of churn is 54.71%.

They are overwhelmingly single and child-free.

%GT Count of customerID by Partner

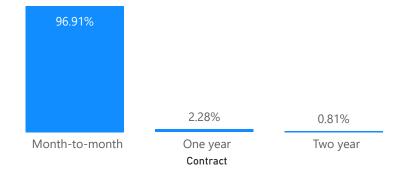
%GT Count of customerID by Dependents



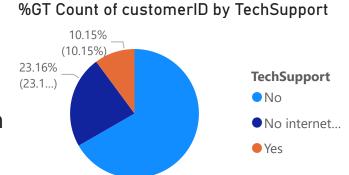


Almost 97% of customers who churn within 6 months have a month-to-month contract.

%GT Count of customerID by Contract



Only 10% of these customers use Tech Support, in comparison with 30% of all customers.



66.69% (66.69%)

47% of these customers pay by electronic check and 37% pay by mailed check.

Recommendations

- Since we know that having a set-term contract decreases churn, we can offer promotions to new customers encouraging them to sign-up for a contract.
- Implement a small discount for using automatic payments.
- Prepare a starter pack that explains in detail how to access tech support.

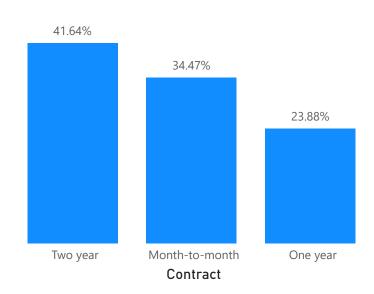
21

21.62%

of our customers

%GT Count of customerID by Contract

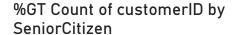
we keep these customers happy?

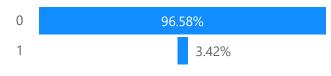


Churn is very low among customers with no internet

service (7% compared with 27% for all customers). How can

Despite many of these customers having a month-to-month contract, they aren't likely to churn.





These customers tend *not* to be senior ctizens.

21.08

Average of MonthlyCharges

The average monthly charge for customers with no internet service is 21 pounds.

Recommendations:

- ·While customers with no internet service have on average much lower charges than customers that do have internet service, they are a substantial group of customers.
- •The recommendation is to keep phone service charges low to keep these customers happy.