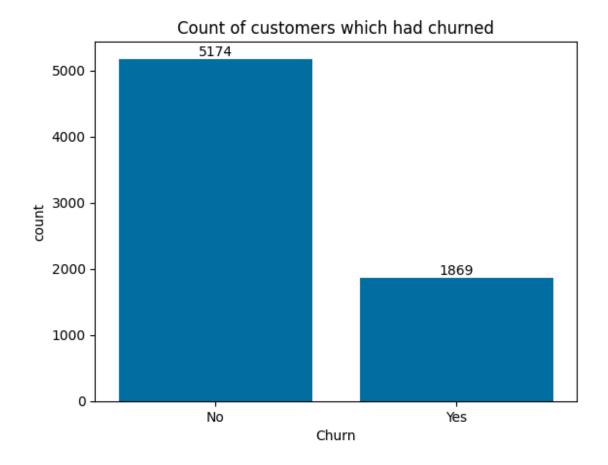
Summary Customer Churn Analysis

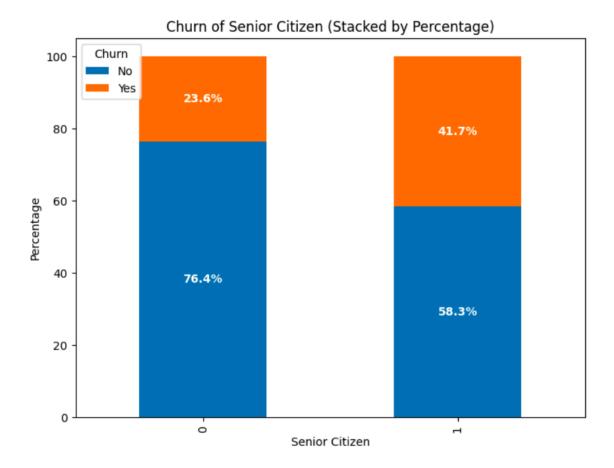
This analysis provides a comprehensive overview of customer churn patterns, identifying key demographics, service preferences, and payment methods contributing to the churn rate. Based on the analysis, **26.53**% of customers have churned, and detailed insights are summarized below:



1. Customer Demographics

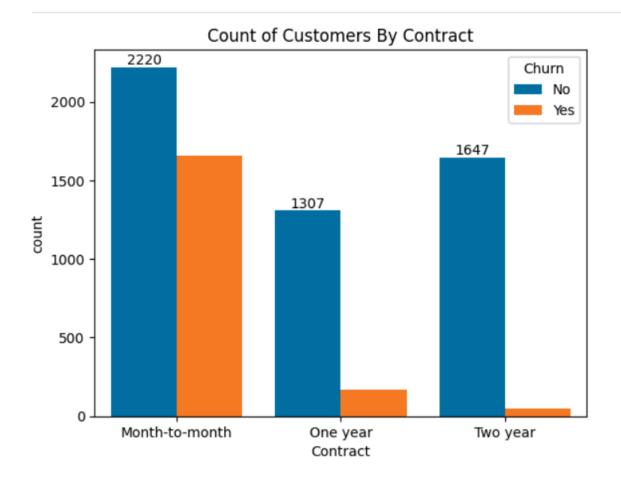
• Senior Citizens:

- Senior citizens are 13.6% more likely to churn compared to non-senior citizens.
- This highlights a need for targeted retention strategies for this demographic group, such as personalized plans or improved support services.



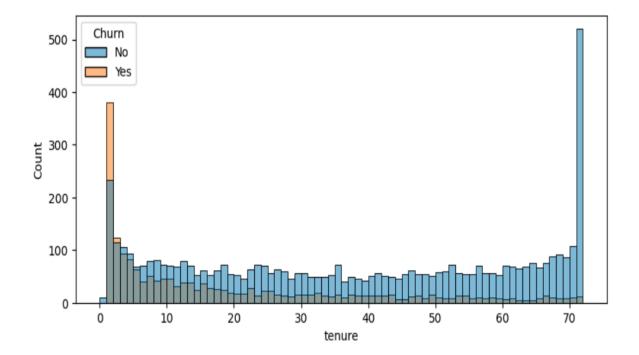
2. Service Duration

- Customers who have used services for **1-2 months** show a significantly higher churn rate, accounting for **over 45% of churned customers**.
- In contrast, customers with usage exceeding one year exhibit a churn rate below **10%**, indicating that longer-term customers are generally more loyal.



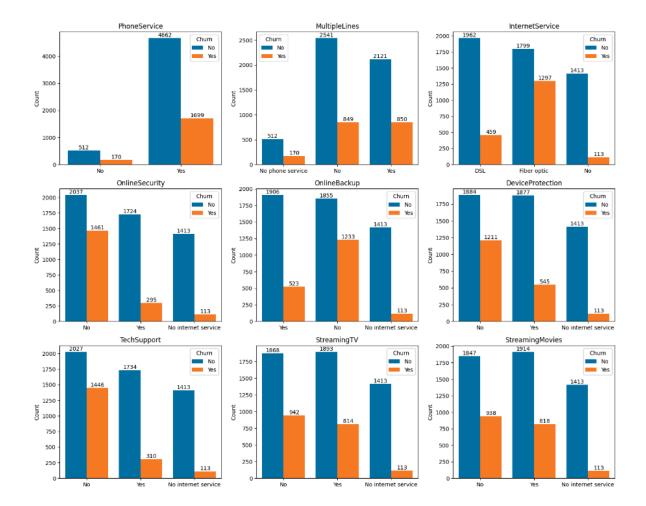
3. Subscription Plans

- Customers on 1-month subscription plans account for 65% of churn cases, compared to customers on 1-year plans (20%) and 2-year plans (15%).
- This suggests that shorter-term plans correlate strongly with churn, emphasizing the importance of promoting longer-term contracts with added benefits.



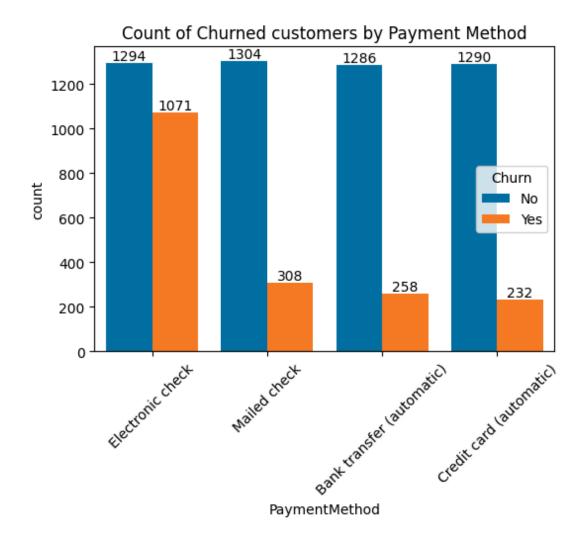
4. Service Preferences

- Customers with bundled services tend to stay longer. Key observations include:
 - Phone and Internet Services (DSL): Retained customers are 40% more likely to use these services.
 - Online Security: Customers with this service enabled are 30% less likely to churn.
 - Online Backup, Tech Support, and Streaming TV: Churn rates increase by 15%-20% when these services are not used or unavailable.



5. Payment Methods

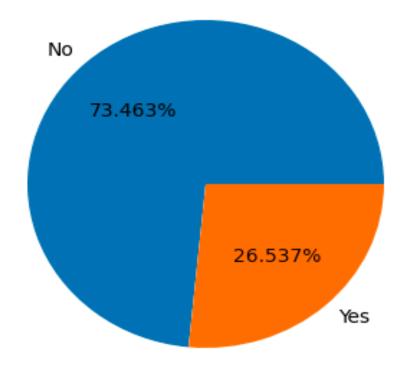
- **Electronic Check:** Over **50% of churned customers** use electronic check as their payment method, significantly higher than other payment methods.
- Mailed Check, Bank Transfers, and Credit Cards: Churn rates for these payment methods are below 20%, indicating a better retention rate with these options.



6. Overall Churn Rate

• A pie chart visualization highlights that 26.53% of all customers have churned, while the remaining 73.47% have been retained.

Percentage of Churned Customers



Recommendations

To mitigate churn and improve customer retention, the following strategies are recommended:

1. Focus on Senior Citizens:

 Develop retention campaigns targeted at senior citizens, such as personalized communication, loyalty rewards, or customer service enhancements.

2. Promote Long-Term Plans:

 Offer incentives (e.g., discounts or exclusive features) for customers to switch from 1-month plans to 1- or 2-year plans.

3. Enhance Service Bundles:

 Encourage customers to adopt additional services like online security and DSL by bundling them with attractive pricing or free trials.

4. Review Payment Options:

 Investigate why electronic check users churn at higher rates and promote alternatives like credit cards or bank transfers.

5. Retention Programs for New Customers:

 Focus retention efforts on customers within the first 2 months of service to reduce the high churn rate for this segment.