

# CUSTOMER CHURN ANALYSIS

A Data-Driven Dashboard on Customer Behavior and Retention Factors

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# CUSTOMER CHURN ANALYSIS

7032

Total Customers

1869

Total Churned

26.58

Sum of churn\_rate\_percent

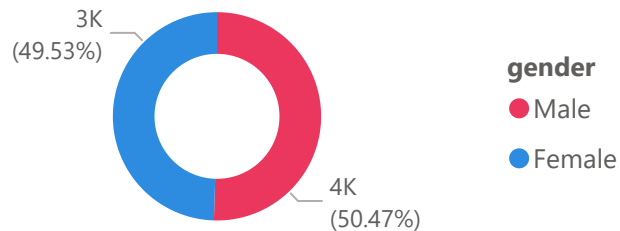
135.75

Average Monthly Charge

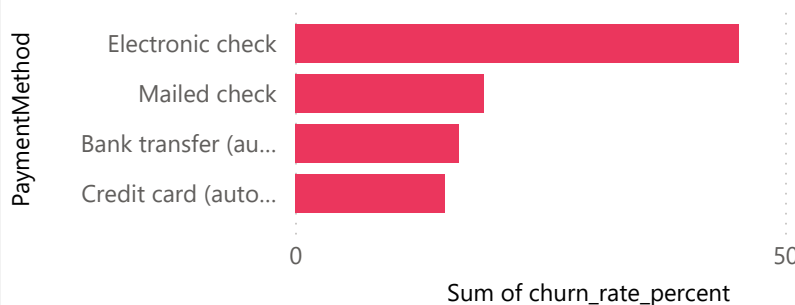
55.63

Average Tenure

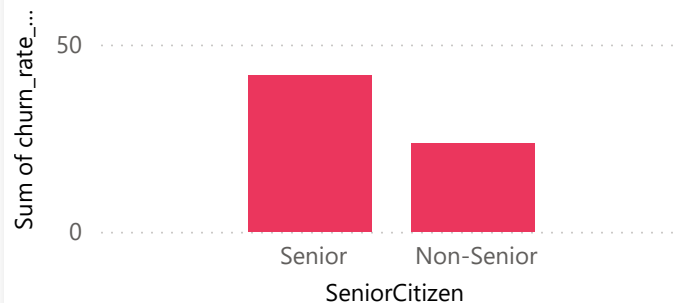
Churn by Gender



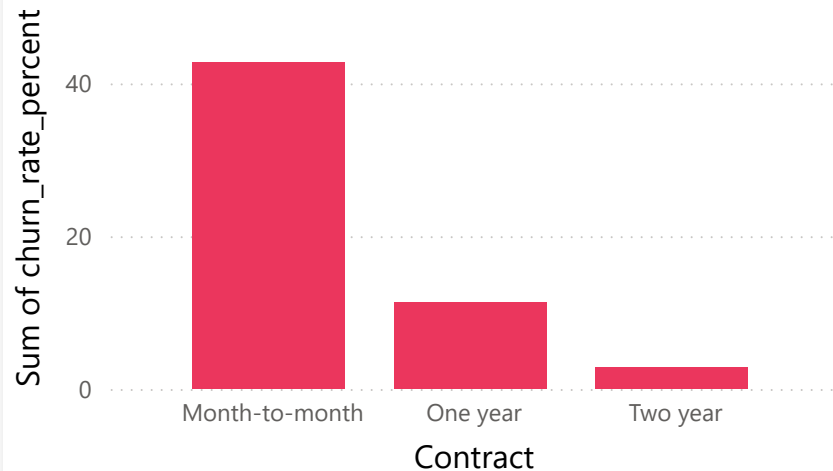
Churn by Payment Method



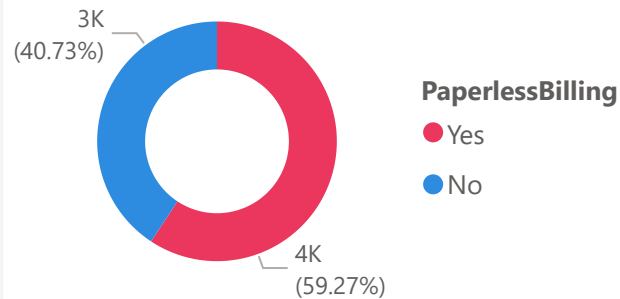
Churn by Senior Citizen Status



Churn by Contract Type



Churn by Paperless Billing

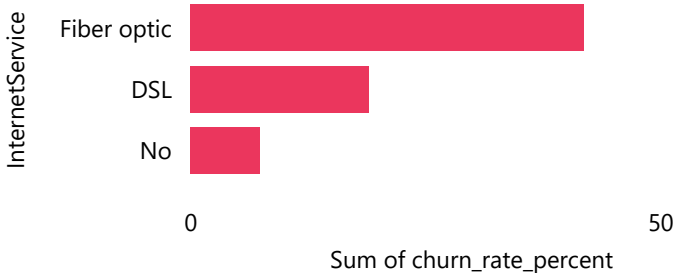


## Key Insights :

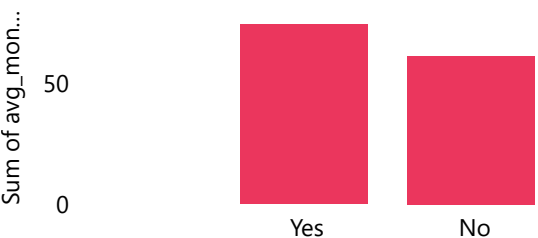
- **Churn Rate is 26.58%** – over 1 in 4 customers leave the company, indicating retention needs focus.
- **Senior Citizens churn 18% more** than non-seniors (41.68% vs 23.65%), making them a high-risk group.
- **Customers with Month-to-Month contracts** churn at **42.7%**, compared to just 2.85% for 2-year contracts – highlighting contract length as a major retention lever.
- **Electronic Check users** show the **highest churn rate (45.29%)**, while automatic payments (Credit Card/Bank Transfer) see far lower churn.
- **Paperless billing users** churn twice as much (33.59%) as those using mailed bills (16.38%), possibly due to digital communication gaps or less engagement.

# Customer Churn – Behavioral & Service Insights

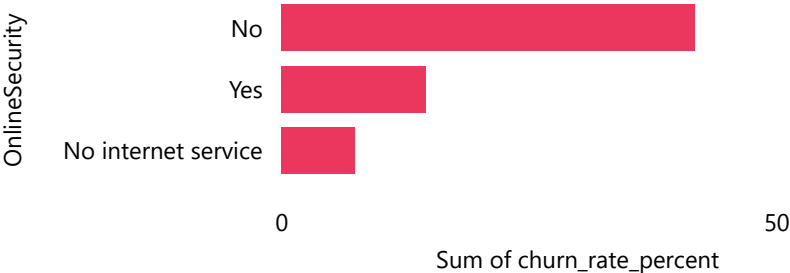
Churn by Internet Service



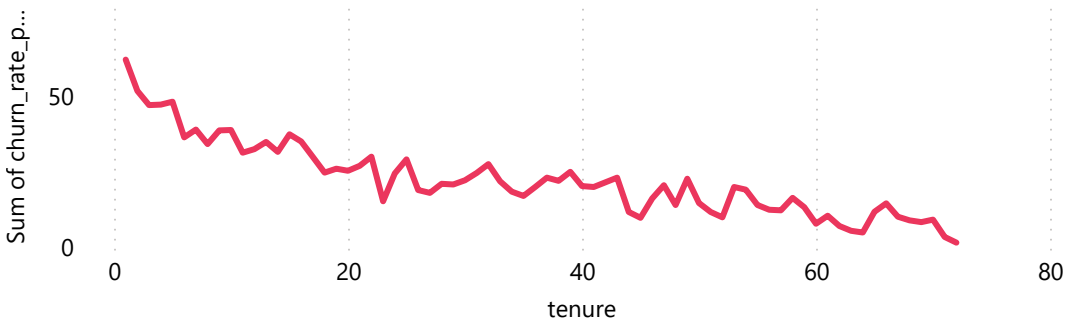
Monthly Charges Distribution by Churn Status



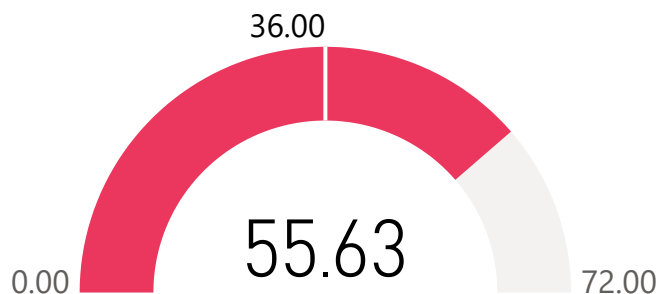
Churn by Online Security



Churn Rate over Tenure



Sum of avg\_tenure



## Key Insights:

- **Fiber Optic Internet users** churn at a high rate (41.89%) — possibly due to performance or price sensitivity compared to DSL (19%).
- **Lack of Online Security services** strongly correlates with churn: customers without it churn at **41.78%**, versus just 14.64% with it.
- **Tenure analysis** shows most churn occurs in the **first 6 months** — early onboarding experience may be crucial.
- **Churned customers pay more** on average monthly charges (₹74.44 vs ₹61.31), indicating possible dissatisfaction with value for money.
- Overall, churned customers have lower total lifetime value (₹1531.8 total charges vs ₹2555.3 for retained), confirming the financial impact of poor retention.

Contract



All



InternetService



All



PaymentMethod



All



PaperlessBilling



All



Gender



All



SeniorStatus



All

