Techo Customer Churn Analysis

Objective

The primary objective of this analysis is to identify key factors influencing customer churn for the organization. By leveraging data-driven insights and visualizations, the goal is to:

1. Understand Churn Dynamics:

 Quantify the overall churn rate and segment it across demographics, tenure, and service usage.

2. Identify High-Risk Groups:

 Pinpoint customer profiles (e.g., demographics, payment methods, and service preferences) that are more likely to churn.

3. Evaluate Service and Payment Impacts:

Assess how service usage and payment methods affect customer retention.

4. Provide Actionable Insights:

 Recommend targeted strategies to improve customer retention and reduce churn effectively.

Executive Summary: Customer Churn Analysis

This analysis investigates key factors driving customer churn, leveraging data visualizations and statistical insights to identify actionable strategies. Below are the detailed findings:

1. Overall Churn Rate

 26.54% of customers have churned, highlighting a pressing need to address retention challenges effectively.

2. Customer Demographics and Tenure

- Senior Citizens are disproportionately affected, with a higher churn rate of approximately 41% compared to younger customers.
- Tenure analysis reveals a strong retention trend among long-term customers:
 - 75% of customers with tenures exceeding 24 months continue to use the service.
 - Conversely, over 60% of customers with tenures of 1–2 months tend to churn, indicating challenges in onboarding and early-stage retention.

3. Service Utilization Impact

- Customers who actively use certain services demonstrate significantly lower churn rates:
 - Phone Service: Churn rate drops to 20% among users.
 - o **DSL Internet**: Only **15% churn** when this service is utilized.
 - Online Security: Customers with this service churn at a reduced rate of 18%.
- However, services like Online Backup, Tech Support, and Streaming TV show an opposite trend:
 - Online Backup: Non-users experience a churn rate of 35%.
 - o Tech Support: Churn rate among non-users is 37%.
 - Streaming TV: Non-usage leads to a churn rate of 40%.

These findings emphasize the importance of promoting value-added services to enhance customer retention.

4. Payment Method Influence

- Payment methods also play a significant role in churn behavior:
 - Customers using Electronic Check exhibit a churn rate of 42%, significantly higher than other payment methods.
 - Credit Card, Bank Transfer, and Mailed Check payment methods show churn rates below 20%, indicating a potential opportunity to encourage customers to switch payment methods.

Key Recommendations

- 1. Enhance **onboarding experiences** to retain new customers in their initial months.
- 2. Actively promote **value-added services** like Online Security and Tech Support through incentives or bundled offerings.
- 3. Introduce campaigns to migrate customers from **Electronic Check** to more stable payment options like Credit Cards or Bank Transfers.
- 4. Focus retention efforts on **senior citizen customers**, addressing their specific needs through targeted outreach and personalized support.