Customer Churn Analysis

This analysis provides key insights into customer churn behavior, highlighting critical factors influencing retention and churn rates.

Key Findings:

1. Overall Churn Rate:

- 26.54% of customers have churned.
- o A bar chart confirms that 5,174 customers stayed, while 1,869 left.

2. Demographic Insights:

- o **Gender:** No significant difference in churn rates between males and females.
- Senior Citizens: Higher churn rates among senior citizens, suggesting a need for targeted retention strategies.

3. Subscription & Service Analysis:

- Contract Type: Month-to-month contract users are more likely to churn, while annual contract holders show higher retention.
- Tenure Impact: Customers with tenures below 10 months are at a higher risk of leaving. Efforts should focus on early engagement.

4. Billing & Payment Trends:

 Payment Method: Customers using electronic checks have the highest churn rates. Encouraging automatic payment options (bank transfers, credit cards) can improve retention.

5. Internet & Service Influence:

- Internet Type: Fiber Optic customers have higher churn compared to DSL or no internet users. Service improvements could help reduce this trend.
- Tech Support Impact: Customers without tech support have a higher churn rate. Providing quality support can enhance customer satisfaction and loyalty.

Recommendations:

- Encourage long-term contracts to reduce churn.
- Focus on **early customer engagement** to improve retention within the first 10 months.
- Promote automatic payment methods to minimize churn from electronic check users.
- Enhance **Fiber Optic service quality** to retain internet customers.
- Strengthen **tech support services** to improve overall customer satisfaction.