Executive Summary

The analysis of the Telco Customer Churn dataset offers key insights into factors driving customer churn. This report outlines major findings and provides targeted recommendations to help reduce attrition and enhance customer satisfaction.

Key Findings

1. Overall Churn Rate:

 Approximately 26.54% of customers have churned, highlighting the importance of implementing effective retention strategies.

2. Demographic Analysis:

- Senior Citizens: Senior citizens show a significantly higher churn rate, with 42% of senior citizens churning compared to 22% of non-seniors. This suggests that age-related preferences or unmet needs might influence churn.
- Gender: Churn rates are similar across genders, with 27% of males and 26% of females churning. This indicates that other factors may have a greater impact than gender alone.

3. Contract Type:

 Customers on month-to-month contracts have the highest churn rate at 43%, compared to 11% for one-year contracts and only 3% for two-year contracts. This pattern indicates that the flexibility of month-to-month contracts may correlate with increased attrition.

4. Payment Method:

Customers using electronic checks have a churn rate of 45%, much higher than those using credit cards (16%), bank transfers (14%), or automatic payments (25%). This suggests that customers using electronic checks might be less satisfied or committed.

5. Tenure and Total Charges:

 Tenure: Customers with shorter tenure are more likely to churn, with 56% of customers with tenure under one year leaving. This indicates that new customers are more at risk and could benefit from early engagement strategies.