**Exploratory Data Analysis**

**Questions**

* How to detect multi-collinearity in a dataset?
* How many male and female candidates present there?
* How many male and female candidates have Churn as Yes and No?
* How many males and females are working under each contract type?
* How many males and females use each payment type?
* Which tenure group has the highest churn for males and females?
* Which gender has higher TotalCharges on average?
* What is the churn rate in the dataset?
* How does tenure affect churn?
* Which contract type has the highest churn rate?
* Which payment method is most used?
* Do high-paying customers churn more?
* Do senior citizens churn more than younger customers?
* Does having Online Security reduce churn?
* Does Tech Support reduce churn?
* Which type of internet service has the highest churn?
* Do customers with high total charges churn more?
* Which contract type has the highest churn rate?
* How does MonthlyCharges vary between customers who churned and those who didn’t?
* Is there a correlation between tenure and churn rate?
* How does InternetService type impact MonthlyCharges?
* Do Senior Citizens have a higher churn rate compared to non-Senior Citizens?
* Does contract type influence customer churn?
* Is there a relationship between PaymentMethod and churn rate?
* How does TechSupport subscription affect churn?
* Is there a difference in TotalCharges between customers with and without PaperlessBilling?
* How does the presence of Dependents affect churn probability?
* What is the impact of OnlineSecurity on customer retention?