

	churn_labels = ['No', 'Yes'] prediction = churn_labels[y_pred[1333]] prediction 'Yes' CONCLUSION: In our Customer Churn Prediction project, we aimed to identify the types of customers most likely to churn using the Telecom Customer Churn dataset. Here we used two machine learning models Random Forest and Support Vector Machine (SVM) and compared its accuracy. Both models performed equally with 79% though SVM model slighly performed better in predicting correctly One of reasons for models low performance is due to imbalance data, in our dataset chruned customers are less compared to customers who stay. To imporve our models performance we can use hyper parameter tuning or perform prediction on balanced dataset. With correlation matrix graph i was able to see which customer type are at high risk of churn customers on month-to-month contract are more likely to churn compared to those with one-year or two-year contracts, meaning that short-term contracts come with a				
[]:	are more likely to churn come higher risk of losing custome of these services increases the Additionally, customers who their package.	npared to those with one-yers. Customers without online risk of churn. Customers have less total charge are on to reduce churn rate is t	vear or two-year contracts line security or tech suppos s with shorter tenure usin more likely to churn, pos to provide targeted Offers		racts come with a wing that the absence y to churn. In service or facilities i