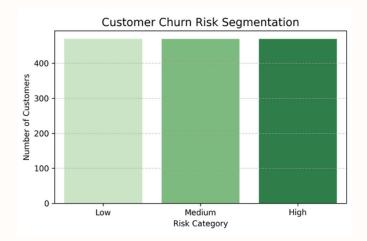
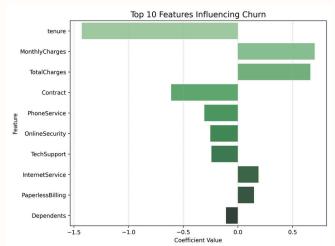
Churn Report JUN 2025

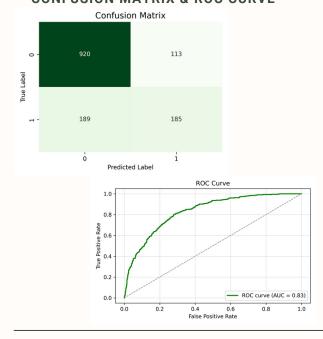
CUSTOMER CHURN ANALYSIS & PREDICTION

TELCO DATASET | LOGISTIC REGRESSION | RISK-BASED SEGMENTATION





CONFUSION MATRIX & ROC CURVE



CUSTOMER CHURN RISK SEGMENTATION

Insight:

- Approximately 30–35% of customers fall under the high churn risk segment.
- High-risk customers typically have short tenure, are on month-to-month contracts, and use electronic check payments.
- This segment represents critical revenue leakage if not targeted for retention.

Business Action:

- Launch loyalty offers or discounts specifically for this group.
- Prioritize outreach to high-risk customers to reduce potential churn.

TOP 10 FEATURE IMPORTANCE

Insight:

- Contract type, tenure, and monthly charges are the strongest predictors of churn.
- Month-to-month contract users are far more likely to leave than those on 1- or 2-year contracts.
- Lower tenure and higher charges correlate strongly with dissatisfaction.

Business Action:

- Promote long-term contracts to new and low-tenure users.
- Use targeted pricing strategies for high-charge customers.

Top Category to Predict Churn Rate

Tenure Monthly Charges

Contract Type

SUMMARY OF STRATEGIC TAKEAWAYS

| Insight | Business Impact |
|---------------------------------------|--|
| High churn risk in short-tenure users | Focused loyalty campaigns |
| Contract type drives churn | Encourage long-term subscriptions |
| Monthly charges impact satisfaction | Tailor pricing models |
| Model is reliable (AUC ~0.85) | Can be safely used for internal alerts |