Data Science Module 3 Project



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Churn rate essential for evaluating a company

1. Revenue losses caused directly by churning:

Loss from churned customers

Missing upselling from churned customers

Loss from non generated referrals

2. The losses indirectly related with churning:

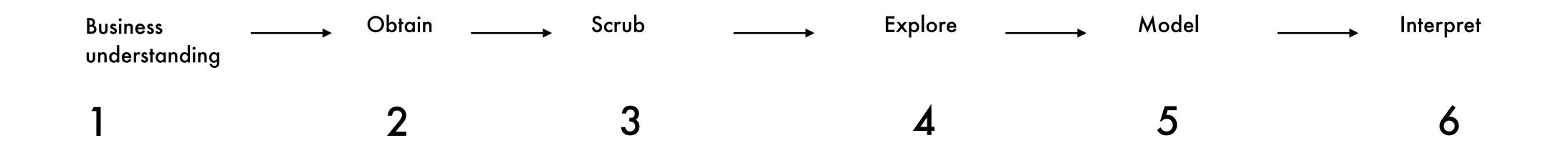
Extra CAC due to lost revenues from retained customers

Reputation in the market



- 1. What are the profiles of churning customers, are there any categories and patterns?
- 2. Can we assess the churning risk associated with each customer?
- 3. What are the potential profits and ROI if we would target the customers at high risk of churning?

Business understanding + Obtain Scrub Explore Model iNterpret - OSEMN

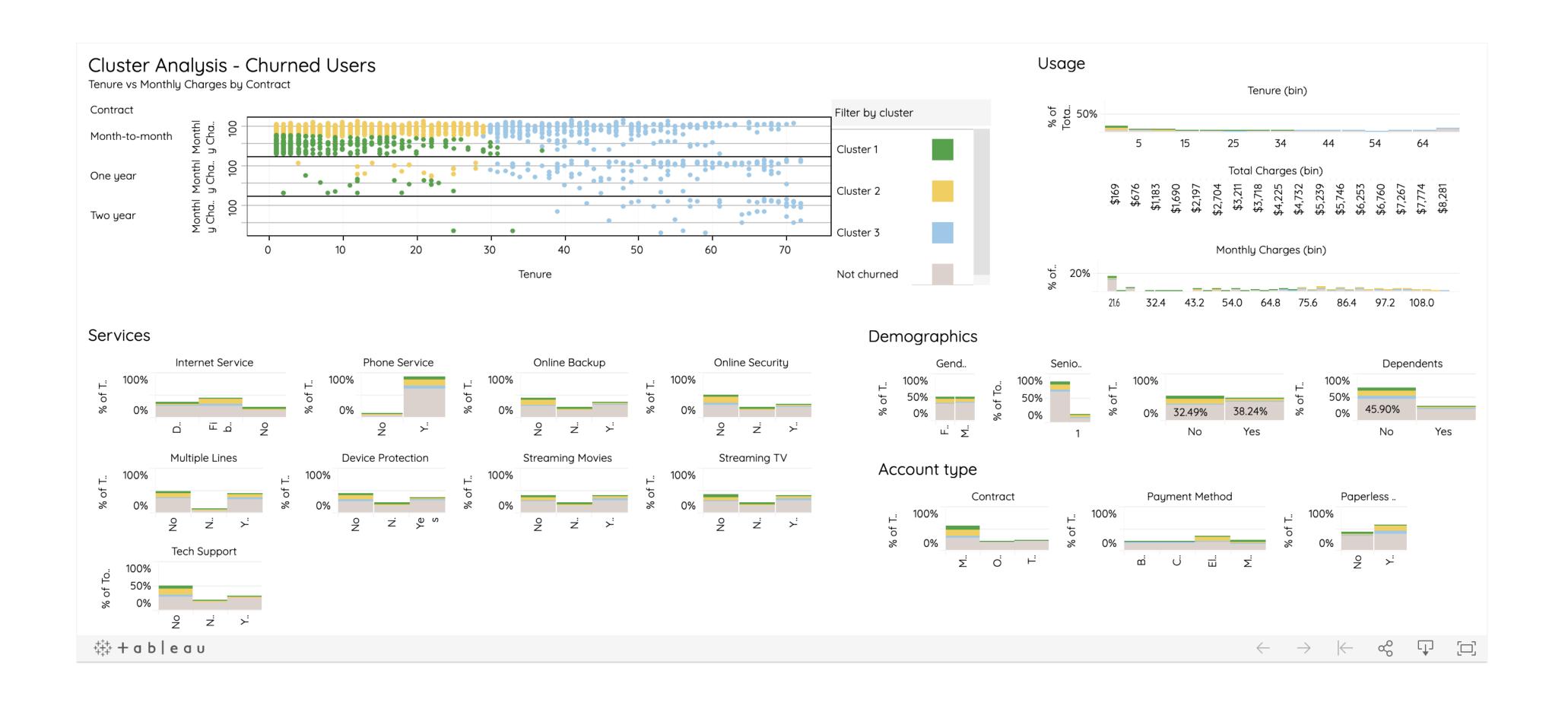




Our business recommendations

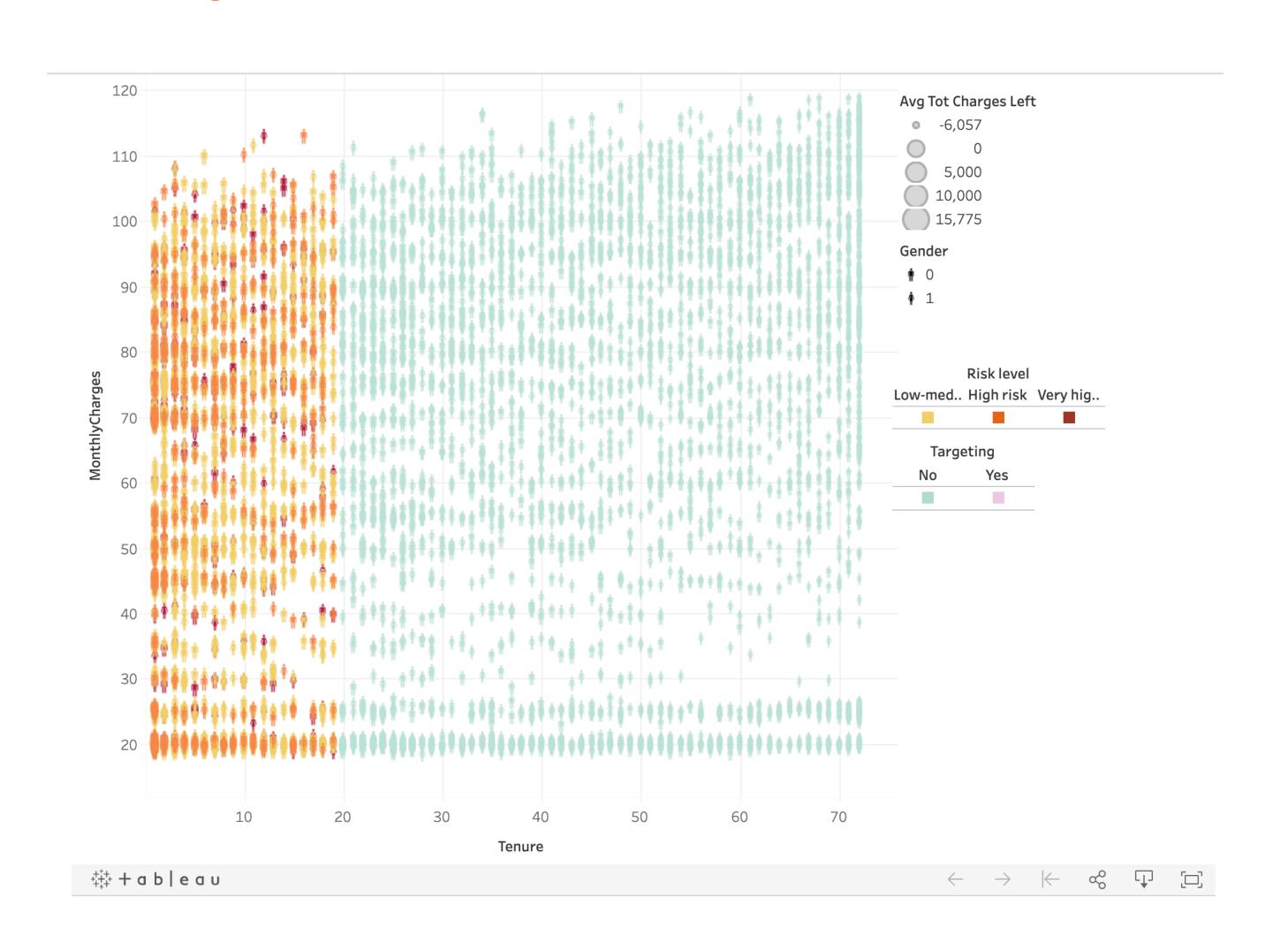


1. Churned customers profile





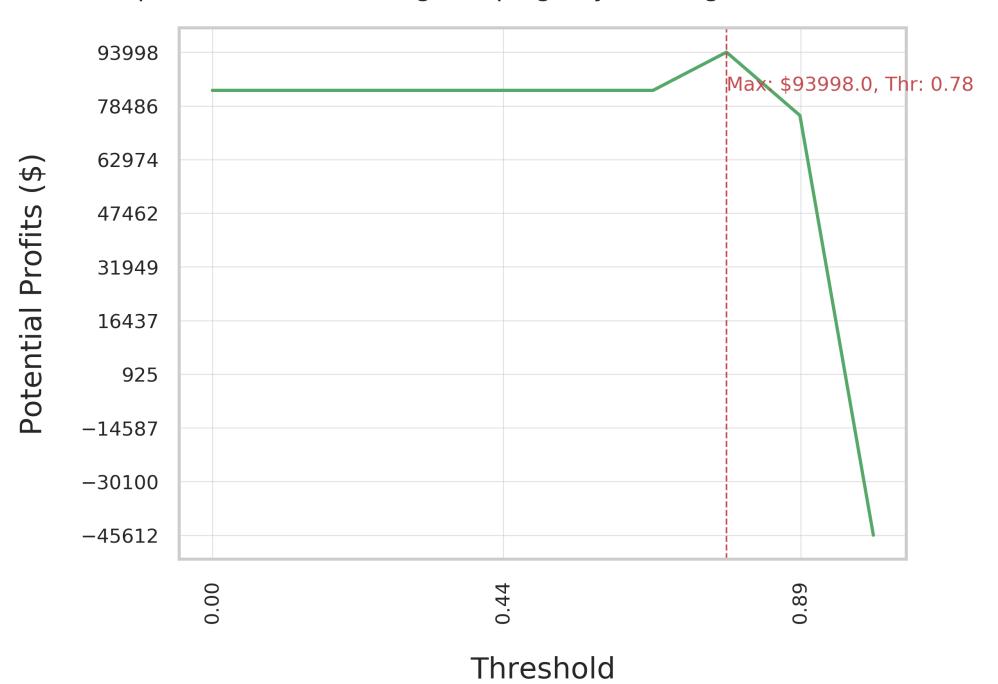
2. Churning risk assessment



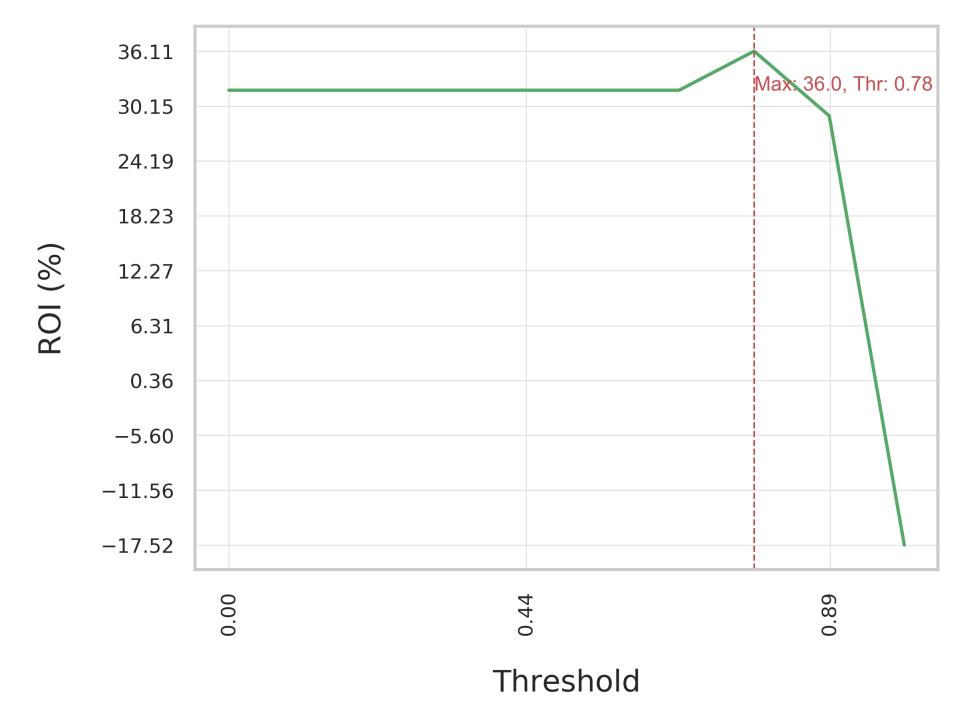


3. Potential profits and ROI

Potential profits from marketing campaign by labeling threshold - Conv. rate: 0.4



Potential ROIs from marketing campaign by labeling threshold - Conv. rate: 0.4





Future works: 1. Longitudinal data, social media data

2. Improving classifier performance

3. Putting into production







- 2. Churning risk levels
- 3. Potential profits and ROI

