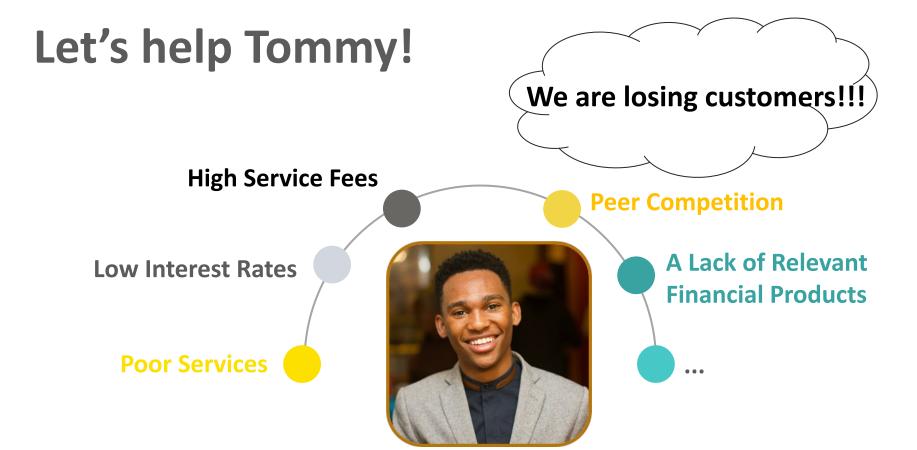


Customer Churn Analysis in Banking Sector

BAIT 518 Team Project
BA 2-Team D: Yitong Wang, Eno Yao, Angga Adi Saputra, Sissi Zhang

BANK



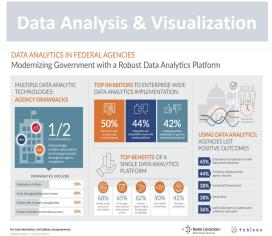


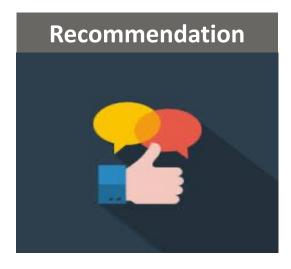
Customer Services Manager at ABC Bank

Executive Summary

Problem



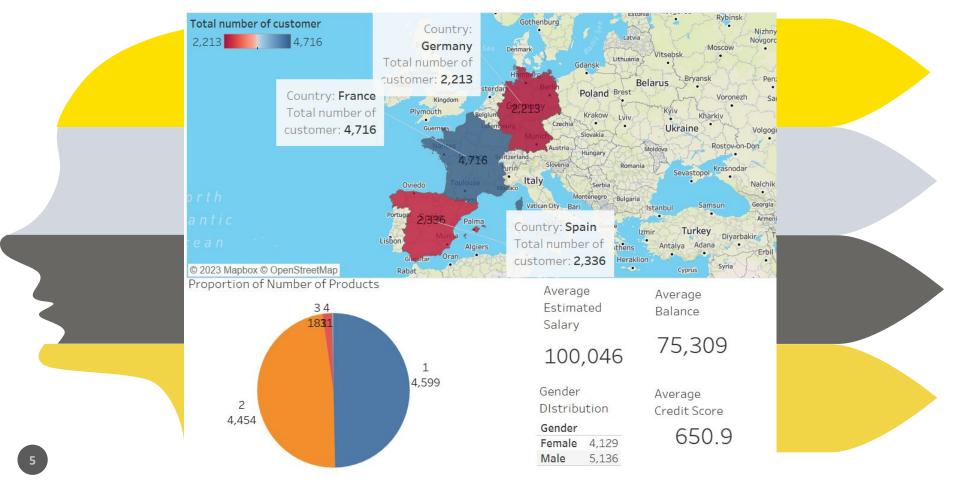




- In Banking sector, the organic growth nowadays is greatly hindered by high customer churn rate
- Using Excel to carry out data cleaning
- Using Tableau to create data visualization

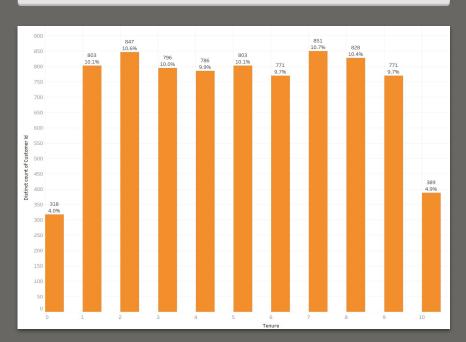
- Product & Service Improvement
- Target Group Focus
- Business Expansion Analysis

Overview



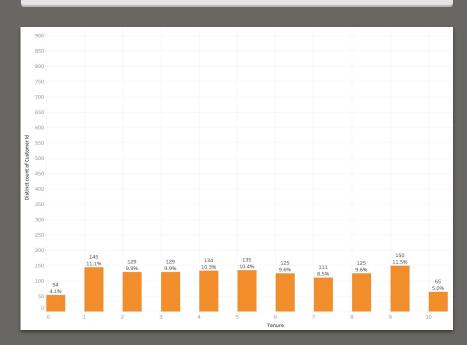
Numbers of Customers Categorized by Customer Relationship with Bank

Non-Churned Group



The distribution has a high level similarity for both groups.

Churned Group

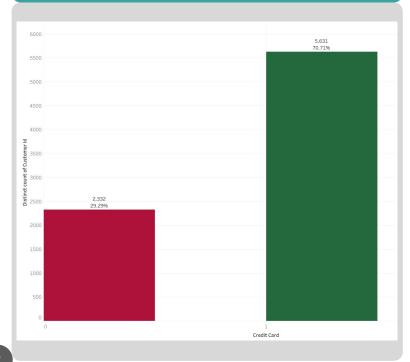


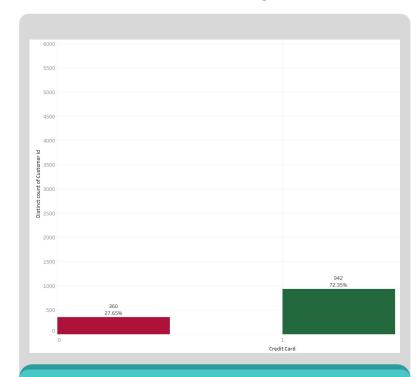
 Tenure might have low correlation with customer churn rate.

Customers Amount by Credit Card Ownership

Non-Churned Group The percentage of having of

The percentage of having credit card in non-churned group is similar to the churn group.





Churned Group

It can be predicted that ownership of credit card has little effect on churn rate.

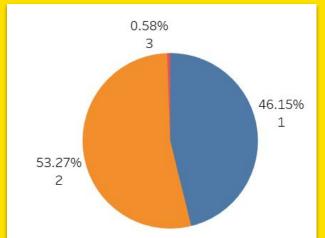


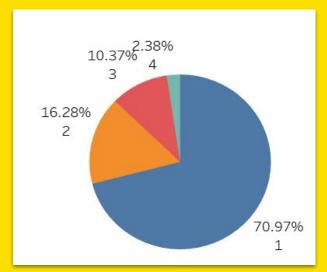
Customers Amount by Number of Products Purchased

For Non-Churned Customers

 99% of customers will choose one or two products









For Churned Customers

 The customers who have more than 2 products are more likely to churn

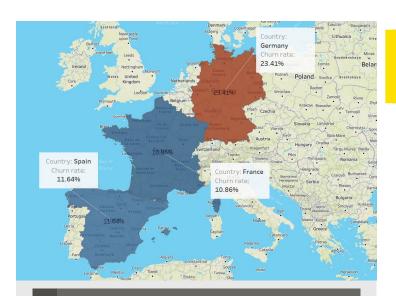
Credit Score Comparison: Non-Churned vs. Churned Customers





- Similar Credit Score range between Non-churned & Churned customers
- Exercise caution concerning customers with Credit Score < 405

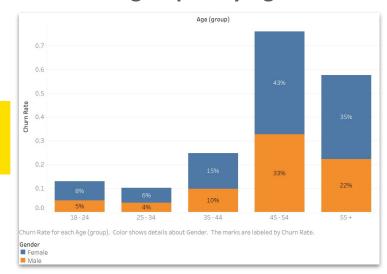
Churn Rate Across Countries



The group of age 45-54 has the highest churn rate, higher amongst female demography.

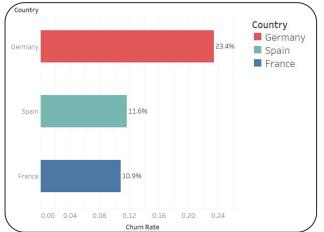
Germany has the highest churn rate which is more than double of the other countries.

Churn Rate grouped by Age & Gender



Churn Rate Comparison Between Segments

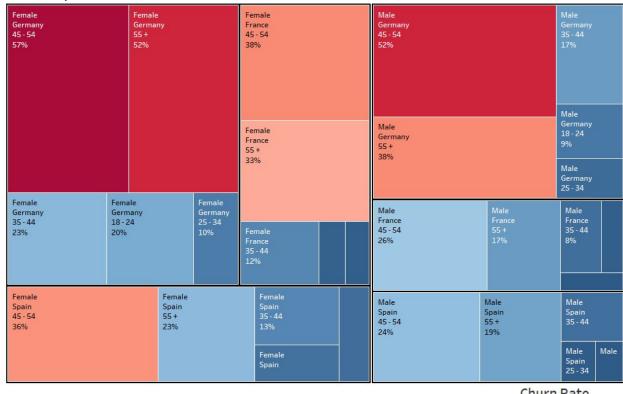
Overall Country Churn Rate



Top 5 Highest Churn Rate by Segment

Country	Gender	Age (group)	
Germany	Female	45 - 54	57%
		55 +	52%
	Male	45 - 54	52%
		55+	38%
France	Female	45 - 54	38%

Heat Map



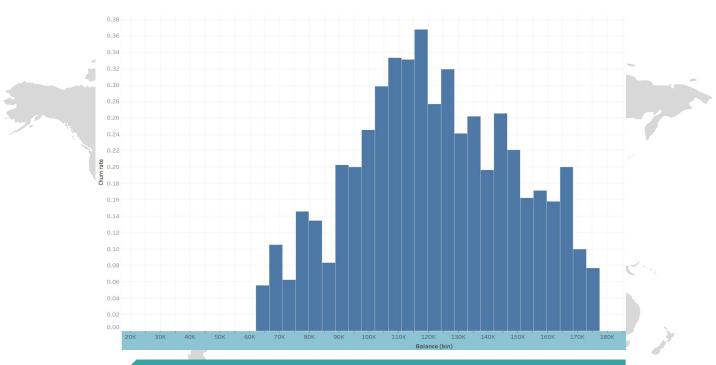




Significant churn rate in Germany driven by Female aged 45 ≤

Taking A Deeper Look At Germany

Churn Rate Across Balance for Germany



The balance range from 100k to 130k has the highest churn rate.



Findings

Recommendations



Product Subscription

Improving Products & Services





Customer Segments

Focusing on Middle Class & Generation X





Location Dynamics

Market Analytics & Business Expansion





Q & A Session

Thank You!!!