Power BI and Tableau Dashboards Preview on Telco Customer Churn Analysis

Authored by Shek Yu Wong, on June 3, 2025

Power BI:

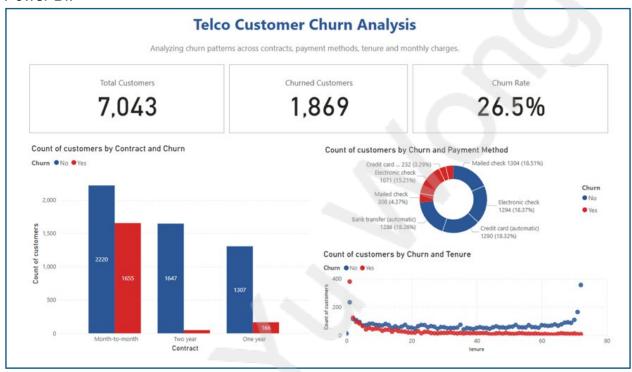
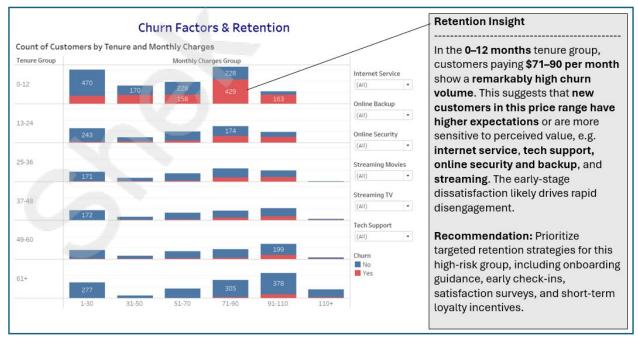


Tableau:





POWER BI AND TABLEAU DASHBOARD FULL REPORT

Prepared by: Shek Yu, Wong

Date: June 3, 2025

Tools Used:

IBM Telco Customer Churn Dataset,

Power BI, DAX, Power Query,

Tableau Public, Calculated Fields, Custom Groups

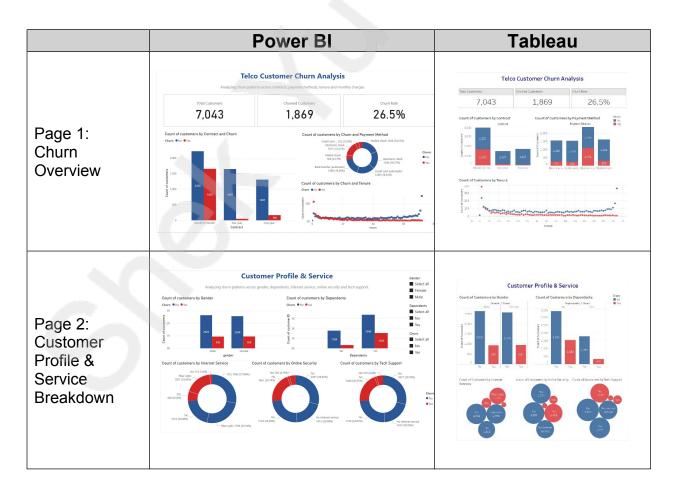
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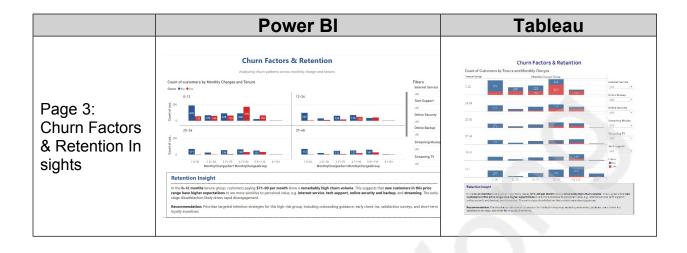
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Power BI and Tableau Dashboards

This section showcases a side-by-side preview of churn analysis dashboards built with Power BI and Tableau using a telco customer churn dataset.

Project Overview	Analyze customer churn behavior in a telecom company using Powe r BI and Tableau dashboards
Data Source	IBM Telco Customer Churn Dataset (~7,000 records, 21 columns)
GitHub Link	https://github.com/stephensyw/telecom-churn-dashboard
Demonstrated Skillset	 Data Cleaning & Preparation (Power Query / Tableau Prep) Data Modeling & DAX (Power BI) Calculated Fields & LOD Expressions (Tableau) Dashboard Design for Executive Readability Churn Analysis & KPI Tracking Storytelling with Data Visualization GitHub Documentation & Version Control





Visualization Pages (Dashboard Structure)

- 1. **Overview** Executive snapshot of churn KPIs segmented by contract type, payment method, and tenure
 - III Highest churn segments
 - Customers on month-to-month contracts
 - Customers paying via electronic check
 - - Longer tenure generally correlates with lower churn
- 2. Customer Profile & Service Demographics and service usage patterns
 - At-risk customer profiles
 - Customers without dependents
 - Customers using fiber optic instead of DSL
 - Customers without tech add-on services (e.g., security, backup)
- 3. Churn Drivers & Retention Key factors and recommendations
 - Image: Image of the second of t
 - Monthly charges \$71–90 → highest churn volume
 - New customers (0–12 months) most vulnerable
 - Early dissatisfaction indicators → signal need for engagement
 - Recommended actions
 - Strengthen onboarding guidance
 - Conduct early satisfaction check-ins
 - Deploy quick surveys to capture feedback
 - Offer short-term loyalty incentives

Note: Full dashboard pages are available upon request.