

# Customer Engagement and Churn Analysis at DataWave Music

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# Executive Summary

**30.0%**

Overall Churn Rate

**70.0%**

Retention Rate

**10.03hr**

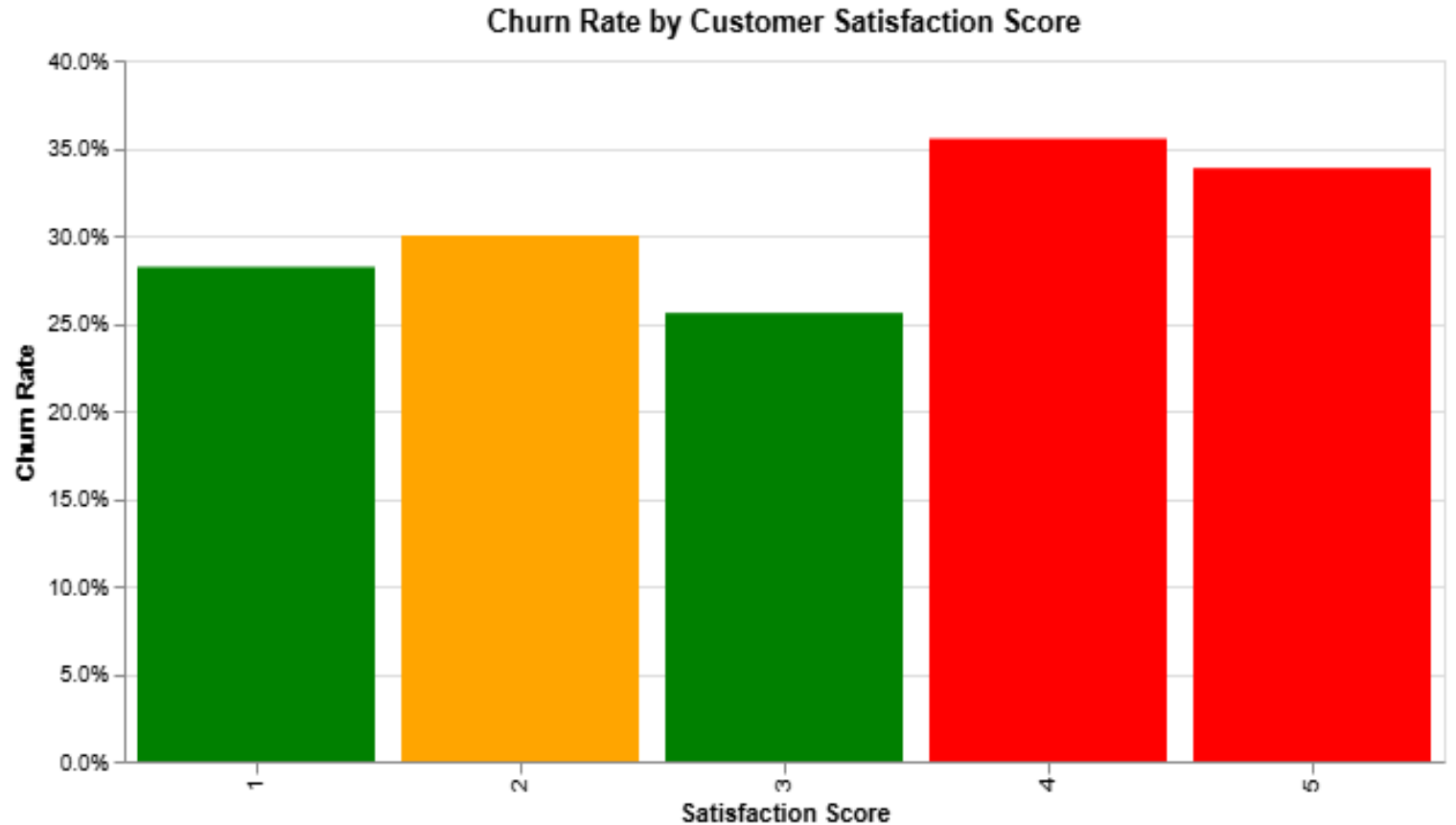
Average Weekly Listening

**3.18**

Average Satisfaction Score

# Key Discovery : The Satisfaction Paradox

- Expectation-Reality Gap:** Satisfied users may have higher expectations that aren't consistently met
- Alternative Seeking:** Happy users feel confident exploring competitors
- Survey Response Bias:** Users who churn might give positive exit surveys
- Status Quo Bias:** Dissatisfied users stay due to switching costs



# Correlation Analysis Summary

Variable	Correlation with Churn	Interpretation
Total Songs Played	+0.02	Very weak positive correlation
Satisfaction Score	+0.05	Very weak positive correlation
Monthly Fee	-0.02	Very weak negative correlation
Age	-0.01	Very weak negative correlation
Listening Hours	0.00	No correlation with churn

Churn may depend on other factors (e.g., subscription type, region, customer service interactions) rather than simple usage or demographics.

# Regional Behavioral Patterns

- Africa**

- Focus on data-efficient streaming
- Enable offline modes
- Prioritize mobile optimization

- South Asia**

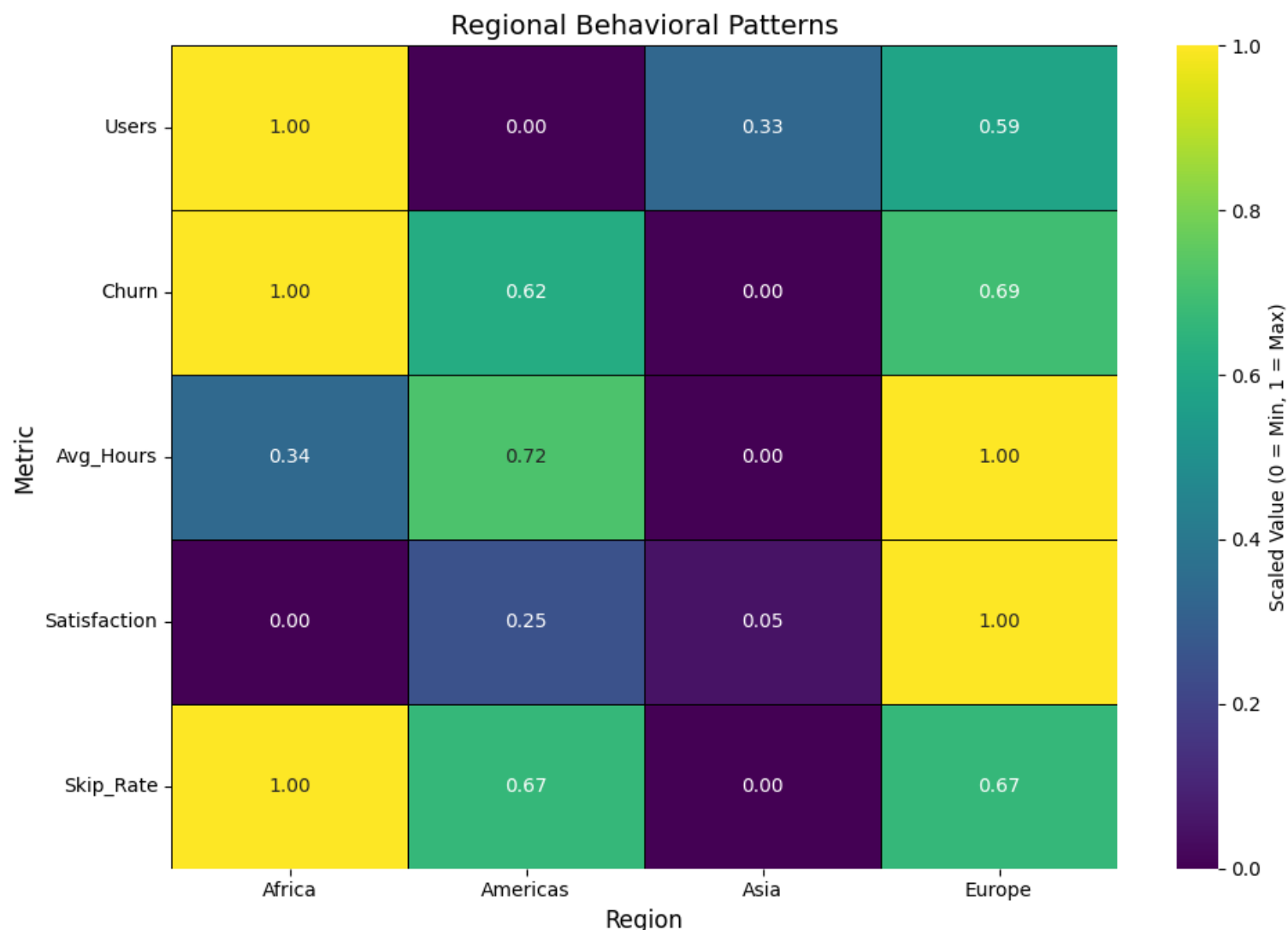
- Promote family/group plans
- Introduce loyalty programs
- Invest in local content

- Europe**

- Maintain high personalization
- Ensure quality streaming
- Expand diverse music catalog

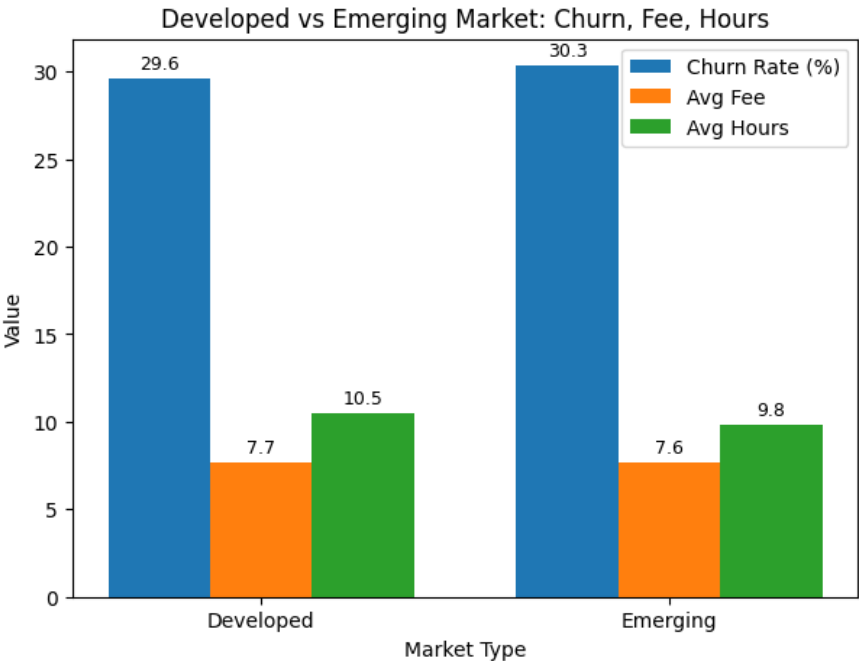
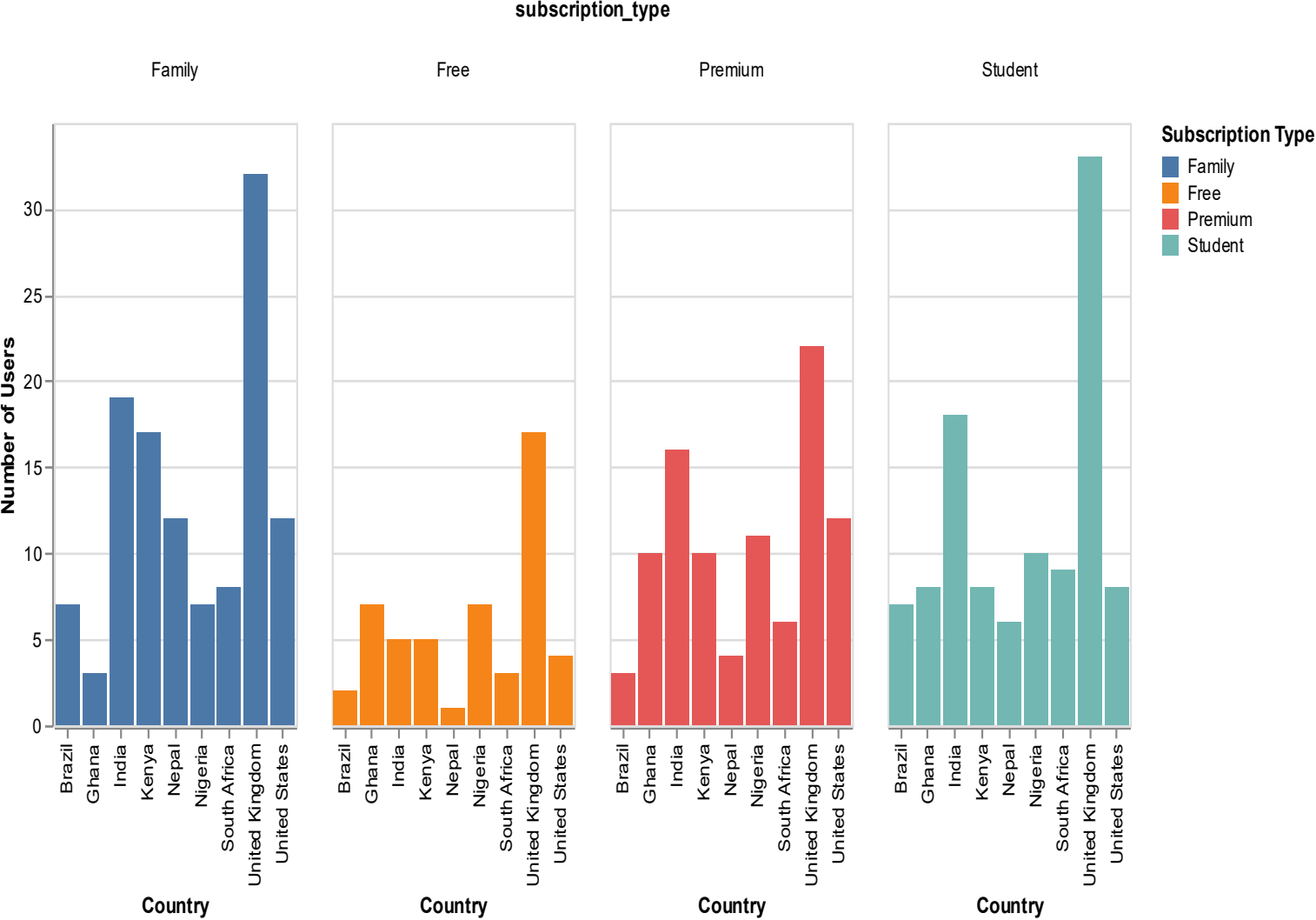
- Latin America**

- Offer competitive pricing
- Highlight local artists
- Add social engagement features



# Economic Context: Developed vs Emerging Markets

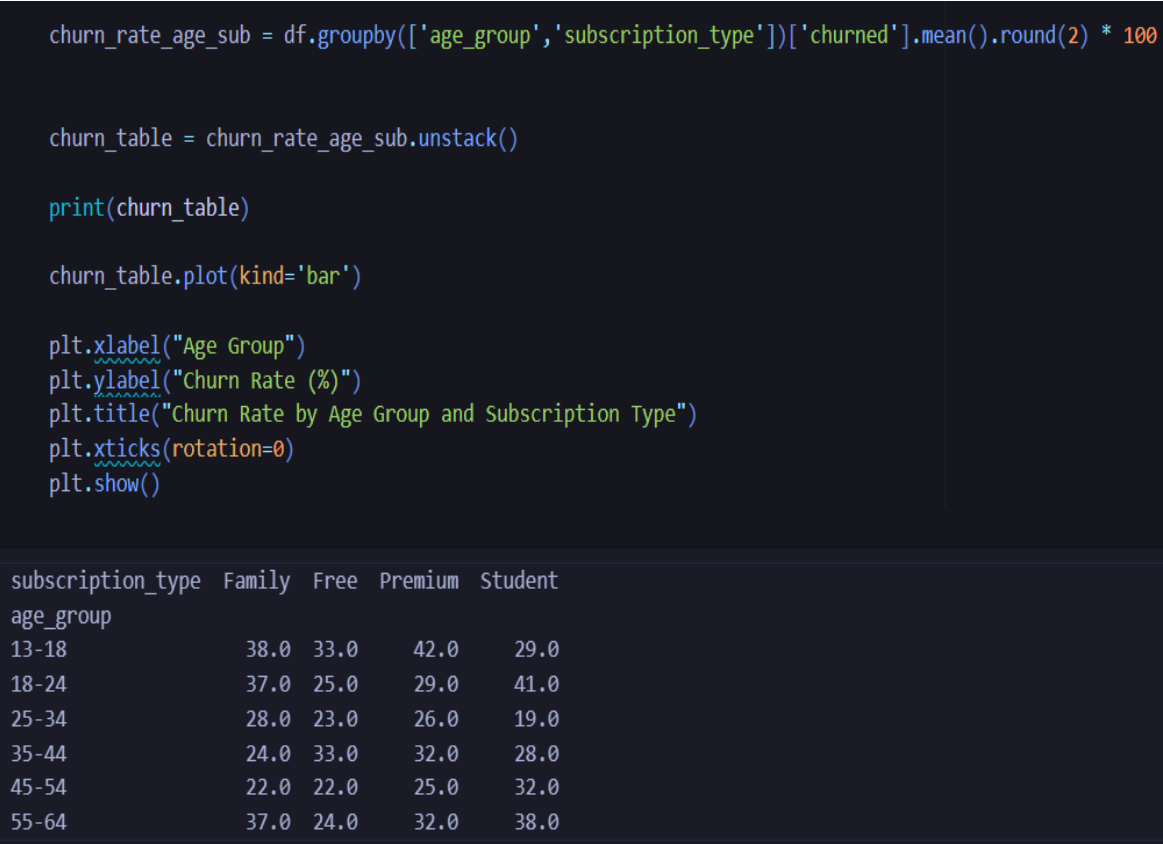
Number of Users by Country and Subscription Type



Market Type	Churn Rate(%)	Avg Fee	Avg Hours
Developed (US, UK)	29.6	\$7.7	10.5hrs
Emerging (Others)	30.3	\$7.6	9.8hrs

# Cross-Segment Analysis

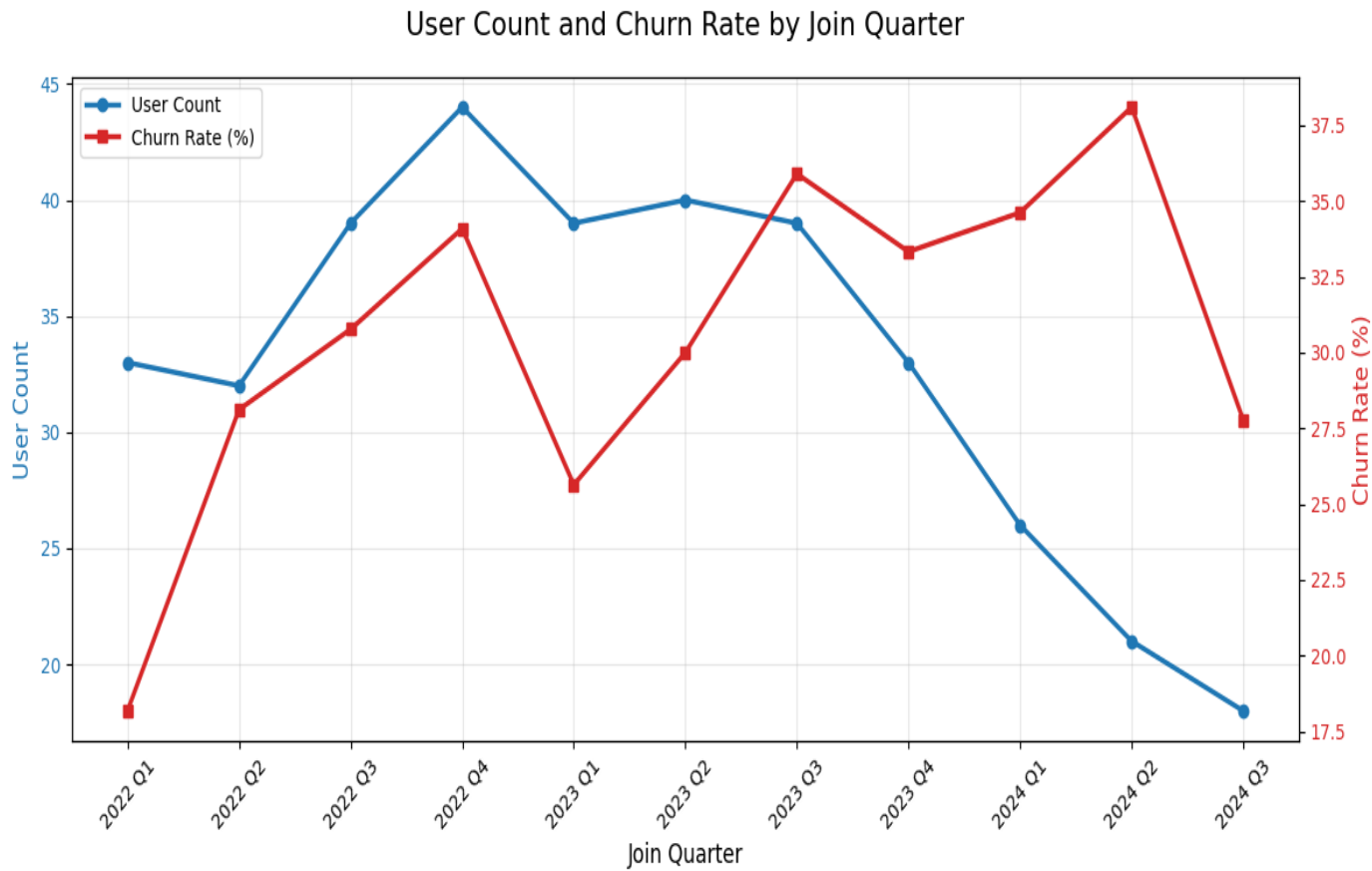
Age Group	Family (%)	Free (%)	Premium (%)	Student (%)
13-18	38	33	42	29
18-24	37	25	29	41
25-34	28	23	26	19
35-44	24	33	32	28
45-54	22	22	25	32
55-64	37	24	32	38



**Pattern Identified:** Young teens (13-18) on Premium plans and seniors (55-64) on Student/Family plans show highest churn. Consider age-appropriate plan recommendations.

# Temporal Analysis: User Count and Churn Rate by Join Quarter

Insight 1 2023 Q4	Insight 2 2024 Q2	Insight 3 2023 Q4	Action
Inverse correlation where User Count is decreasing while Churn Rate is rising	Critical recent issue with user onboarding or early experience	Number of new users has fallen sharply	Immediately investigate the 2024 Q2 onboarding experience - understand the cause of the high early churn for this cohort



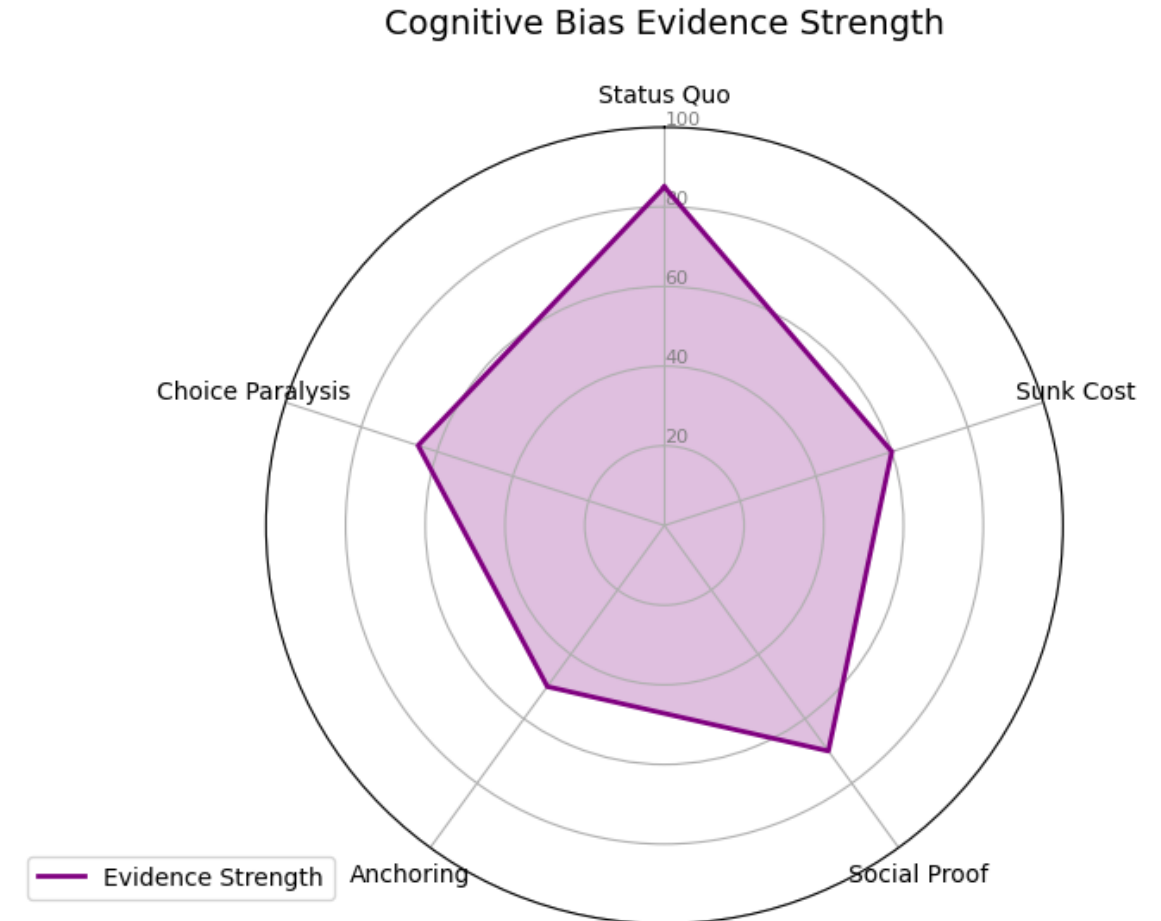
**Positive Trend:** Newer cohorts show lower churn rates, suggesting improvements in onboarding, product, or user targeting.



# Cognitive Biases in User Behavior

## Key Insights:

- Status Quo bias is strongest — users stick with familiar plans (98 users, 26.8% of long-tenure users).
- Social Proof and Choice Paralysis significantly influence decisions.
- Sunk Cost bias moderately affects retention (43 users, 72.1% still active).
- Anchoring has the weakest impact.



# Strategic Recommendations

## Resolve the Subscription Mismatch Paradox

Problem: Highest churn exists in specific, seemingly mismatched segments.

Action: Immediately review and re-target 13-18 year-olds on Premium (42% Churn) and 55-64 year-olds on Student/Family plans (38% & 37% Churn).

Goal: Offer age-appropriate, value-aligned plans to these high-risk groups.

## Localize & Optimize for Data Constraints

Insight: Simple usage metrics (e.g., Listening Hours) and Satisfaction Score show very weak correlation with churn.

Action: Implement hyper-localized product fixes based on regional patterns.

Priority: Focus on Africa by enabling and promoting offline streaming modes and mobile optimization to solve data-efficiency issues.

## Leverage Behavioral Biases for Retention

Insight: Status Quo Bias is the strongest cognitive influence.

Action: Introduce a high-value, longer-term (e.g., Annual) subscription plan to immediately capitalize on the Status Quo effect and lock in users.

Goal: Increase the perceived cost of switching by creating 'sunk cost' features (e.g., personalized archives).

## Key Metrics to Track

Churn Rate of the 13-18 Premium Segment

Annual Plan Adoption Rate (Measure of Status Quo utilization)

Africa/Emerging Market Churn Rate

## Key Takeaways



**Satisfaction  $\neq$  Retention**  
Don't rely on NPS alone



**Culture Matters**  
Regionalize approach



**Bias is Opportunity**  
Build positive switching cost



**Usage  $\neq$  Retention**  
Look beyond simple usage