### Driving Subscription Growth for Ted & Poppy

Enhancing Customer Retention and Implementing Strategies to Boost Subscription Numbers and Business Growth

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### Introduction

# **Ted & Poppy**

• Ted & Poppy Pet Shop aims to analyze and reduce churn in their dog food subscription service to improve customer retention.

& Exploration

• The business seeks actionable insights on factors affecting churn, such as customer behavior, subscription patterns, and engagement.

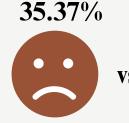
#### **Dataset Overview**

Retained **Churned** Sample Size: 200,000 (Q4/2024) **Total Variables: 29 Target Variable: Churn Status Selected Variables: 12** 84.09 % 15.90 %

#### **Observation**

## 31.43% **Support Ticket Activity**







14.19%

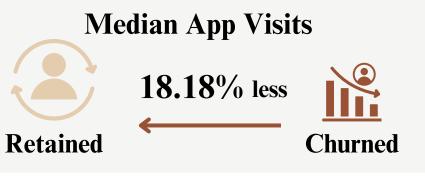


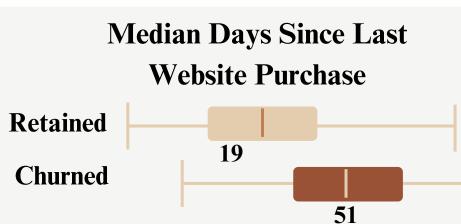




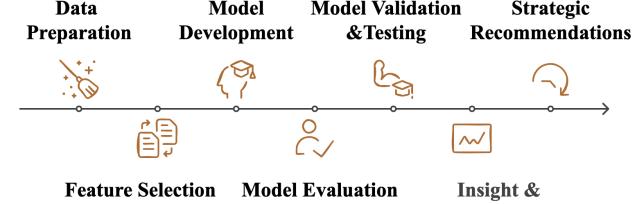








#### **Model Validation** Model **Strategic**



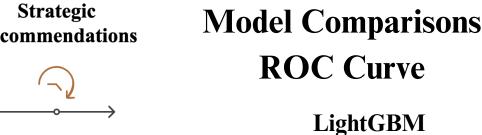
& Selection

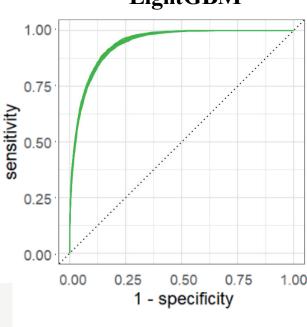
 Feature Engineering & Variable Transformation Data

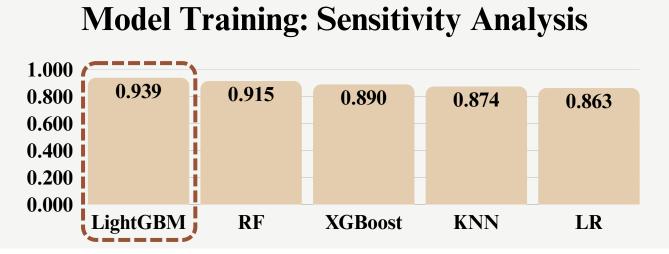
• Univariate Analysis to Assess Churn Impact **Preparation**. Data Split: 75% Training, 25% Testing

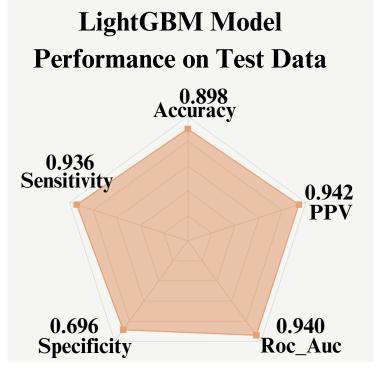
### Methodology

**Performance Analysis** 



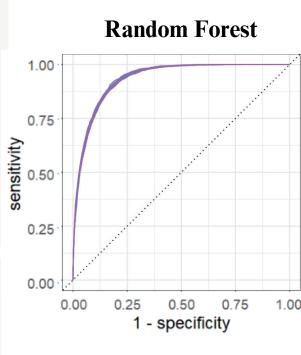


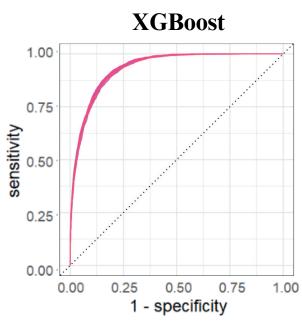




#### **Confusion Matrix Evaluation on Test Data** True **False Positive Postive**

5,538 2,414 **False** Ture **Negative Negative** 2,689 39,360





### Recommendation

#### 1. Customer Behavior & Engagement

- Encourage repeat purchases with personalized emails, reminders, and loyalty programs.
- Boost engagement through push notifications and website/app enhancements.



#### 2. Customer Support, Satisfaction & Payment Issues

- Speed up responses, add self-service, and fix recurring issues. Gather feedback, address complaints, and improve service.
- Identify at-risk customers and offer flexible payments.

#### 3. Price Sensitivity

- Offer discounted long-term plans, exclusive perks, and flexible pricing to boost retention.
- Smart discounts encourage commitment and reduce churn.



#### 4. Data-Driven Customer Risk Management

- Use customer data to identify at-risk users early.
- Reduce churn with targeted re-engagement, special offers, and proactive outreach.