

# Customer Churn Dataset Description

## Overview

This dataset contains customer information for a telecom company and is used for analyzing customer churn. The data is split into training and testing sets, with each set containing 17 columns of customer-related features.

## Columns Description

Column	Description	Data Type
CustomerID	Unique identifier for each customer.	float64 / int64
Age	Age of the customer.	float64 / int64
Tenure	Number of months the customer has been with the company.	float64 / int64
Usage Frequency	Frequency of customer usage of telecom services.	float64 / int64
Support Calls	Number of calls made by the customer to support services.	float64 / int64
Payment Delay	Number of months the customer was delayed in making payments.	float64 / int64
Total Spend	Total amount spent by the customer over their tenure.	float64 / int64
Last Interaction	Number of months since the last interaction with the customer.	float64 / int64
Churn	Whether the customer has churned (1) or not (0).	float64 / int64
Gender	Indicator for female customers (1 for female, 0 for male).	bool
Subscription Type	Indicator for Basic subscription type (1 for Basic, 0 for other).	bool
Contract Length	Indicator for Annual contract length (1 for Annual, 0 for other).	bool

## Training and Testing Data

- **Training Data:** Contains 440,833 entries and 12 columns.
- **Testing Data:** Contains 64,374 entries and 12 columns.

## Usage

This dataset is useful for building and evaluating predictive models to identify which customers are likely to churn. You can use various machine learning algorithms to create models and evaluate their performance using metrics like accuracy, precision, recall, and F1-score.

