# Telecom Churn Predictions

## Overview

The Telecom Churn Predictions project aims to predict customer churn in the telecommunications industry. This project utilizes data from a Kaggle dataset to build predictive models using Random Forest and XGBoost algorithms. The goal is to identify customers likely to churn, allowing telecom companies to take proactive measures to retain them.

## Project Structure

- `data/`: Contains dataset files used for training and testing the models.

- `notebooks/`: Jupyter notebooks for exploratory data analysis, feature engineering, and model training.

- `scripts/`: Python scripts for data preprocessing, model training, and evaluation.

- `models/`: Serialized models saved using joblib for deployment.

- `README.md`: This file.

## Installation

To run this project, you need to have Python installed along with the necessary packages. You can install the required packages using pip:

```bash

pip install -r requirements.txt