Data Collection and Preprocessing Phase

Date	20 Nov 2024
Team ID	739720
Project Title	Time Series Analysis for Bitcoin Price Prediction using Prophet
Maximum Marks	2 Marks

Data Collection Plan & Raw Data Sources Identification Template

Elevate your data strategy with the Data Collection plan and the Raw Data Sources report, ensuring meticulous data curation and integrity for informed decision-making in every analysis and decision-making endeavor.

Data Collection Plan Template

Section	Description
Project Overview	Predicting Bitcoin price trends using time series forecasting with Facebook Prophet.The objective is to analyse historical price data to generate future predictions that can assist in investment decisions.
Data Collection Plan	Historical price data of bitcoin will be collected from public cryptocurrency APIs and datasets like CoinMarketCap,Yahoo Finance,or Kaggle datasets.
Raw Data Sources Identified	List the raw data sources with relevant details (as a short description).

Raw Data Sources Template

Source Name	Description	Location/URL	Format	Size	Access Permissions
Kaggle-Bitcoin Historical Data	Historical data on Bitcoin prices including Open,Close,High,Low,Volume and Market Cap	https://www.kaggle.com/mczielinski/bitcoin-historical-data	CSV	~10MB	Public
Yahoo Finance API	Real-time and historical cryptocurrency data via API	https://finance.yahoo.com/quote/BTC-USD/history/	CSV/JSON	~Varies	Public
CoinMarket Cap API	Detailed historical data on cryptocurrencies	https://coinmarketcap.com/api/	JSON	~Varies	Requires API Key