Project on Quant Research

**Please find below the link to the dataset.**

**Drive Link**

Q1) Mention your previous experience(mentioning projects/coursework as well) in quant and algo trading, coding and financial markets?

Q2) The Google Drive link contains 1 month of 1m OHLC candlestick data and Aggregated Trades data for BTC/USDT for the month of November.The Aggregate Trades dataset is pretty big(>2 million rows) so you may face some processing difficulties depending on your PC specs so would recommend to use polars instead of pandas.

The task requires some(at least 2) or all of the following:

● Machine Learning Applications: Build and train machine learning models to predict price movements, identify market anomalies, or generate trading signals.

● High-Frequency Trading: Analyze the feasibility and potential profitability of

high-frequency trading strategies based on aggregated trades data.

● Trend Analysis: Identify and analyze trends in price, volume, and

volatility using moving averages, Bollinger Bands, or Relative Strength

Index (RSI).