

Algorithmic Trading: Case Study

Algorithmic Trading is when people use mathematical algorithms and predefined strategies to trade in the stock market. This way of trading is faster, more efficient and more consistent than manual trading. It's like you're playing a game where you need to make quick decisions, and a predefined strategy can help you make those decisions faster and better.

The dataset below was collected by the yahoo finance API known as yfinance. Below are all the features in the dataset:

1. Date
2. Opening Price of the day
3. Highest Price of the day
4. Lowest Price of the day
5. Closing Price of the day
6. The total volume of the day
7. Dividends of the day
8. Stock Splits of the day

You need to use this stock price data to create an algorithmic trading strategy with buying and selling signals.