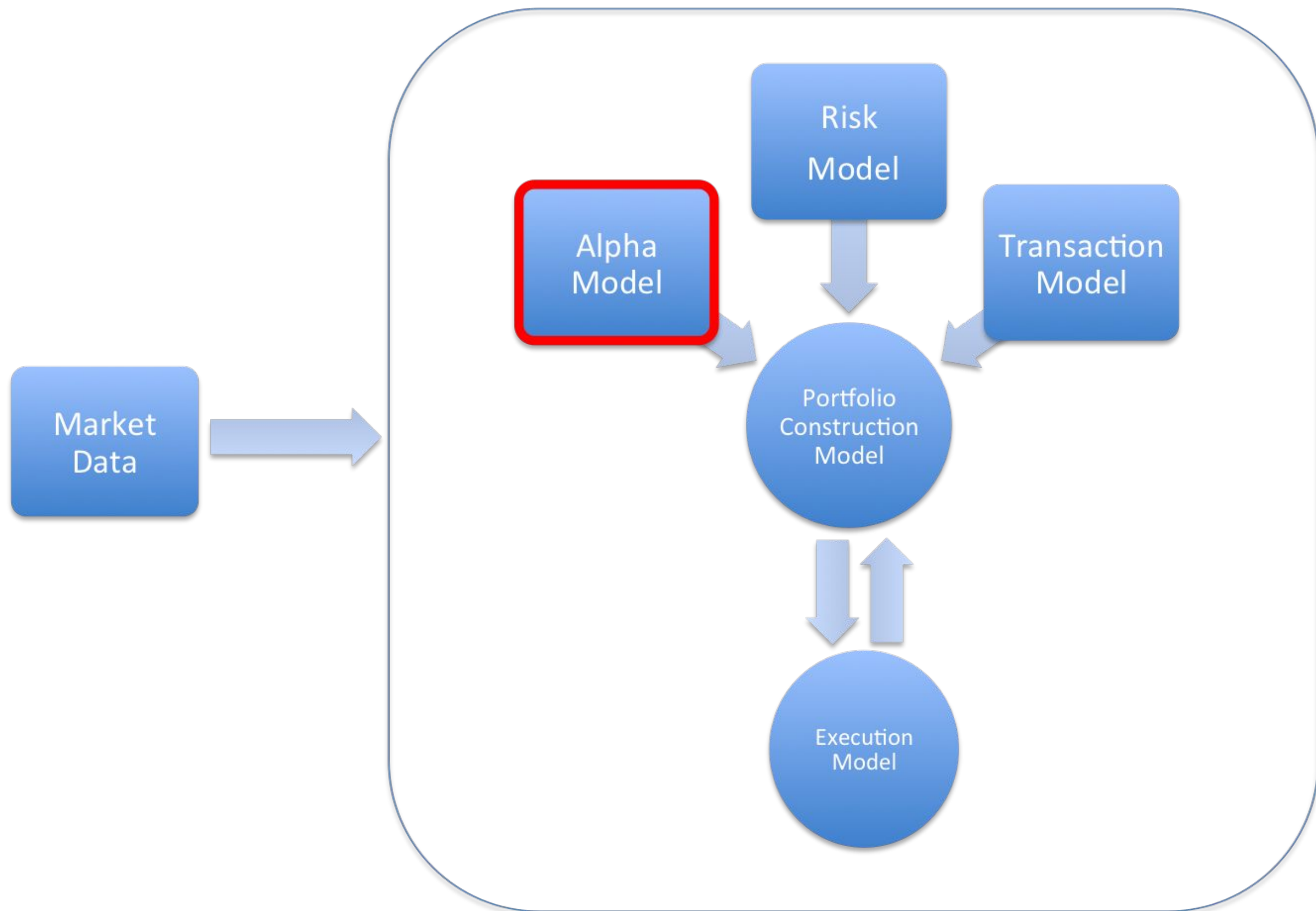


FINHACKS



KEREM BOZGAN



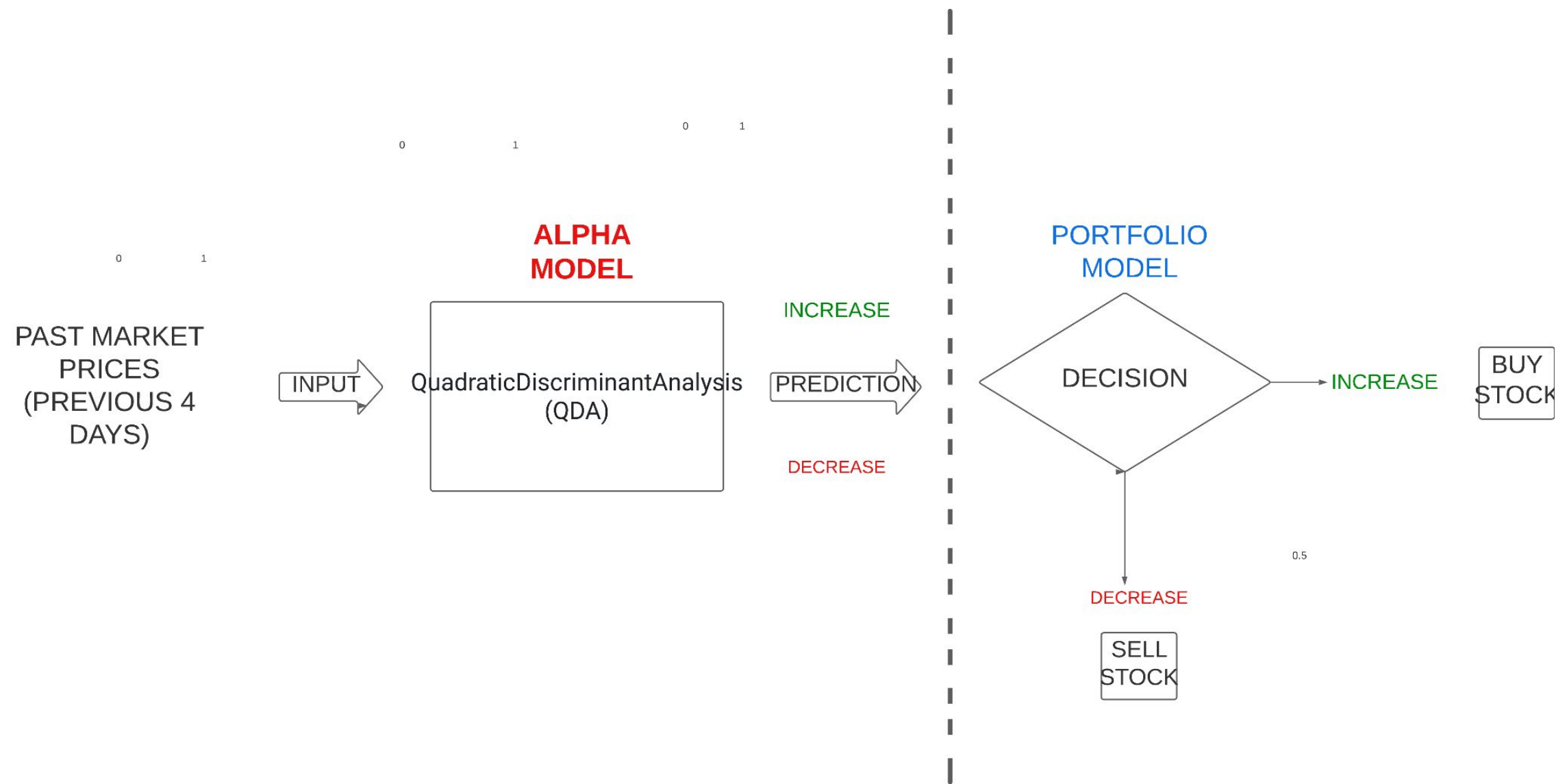
Alpha Model: Predicts future price of a stock (e.g., apple stock)

Transaction cost model: cost incurred from buying stock, e.g., brokerage fee.

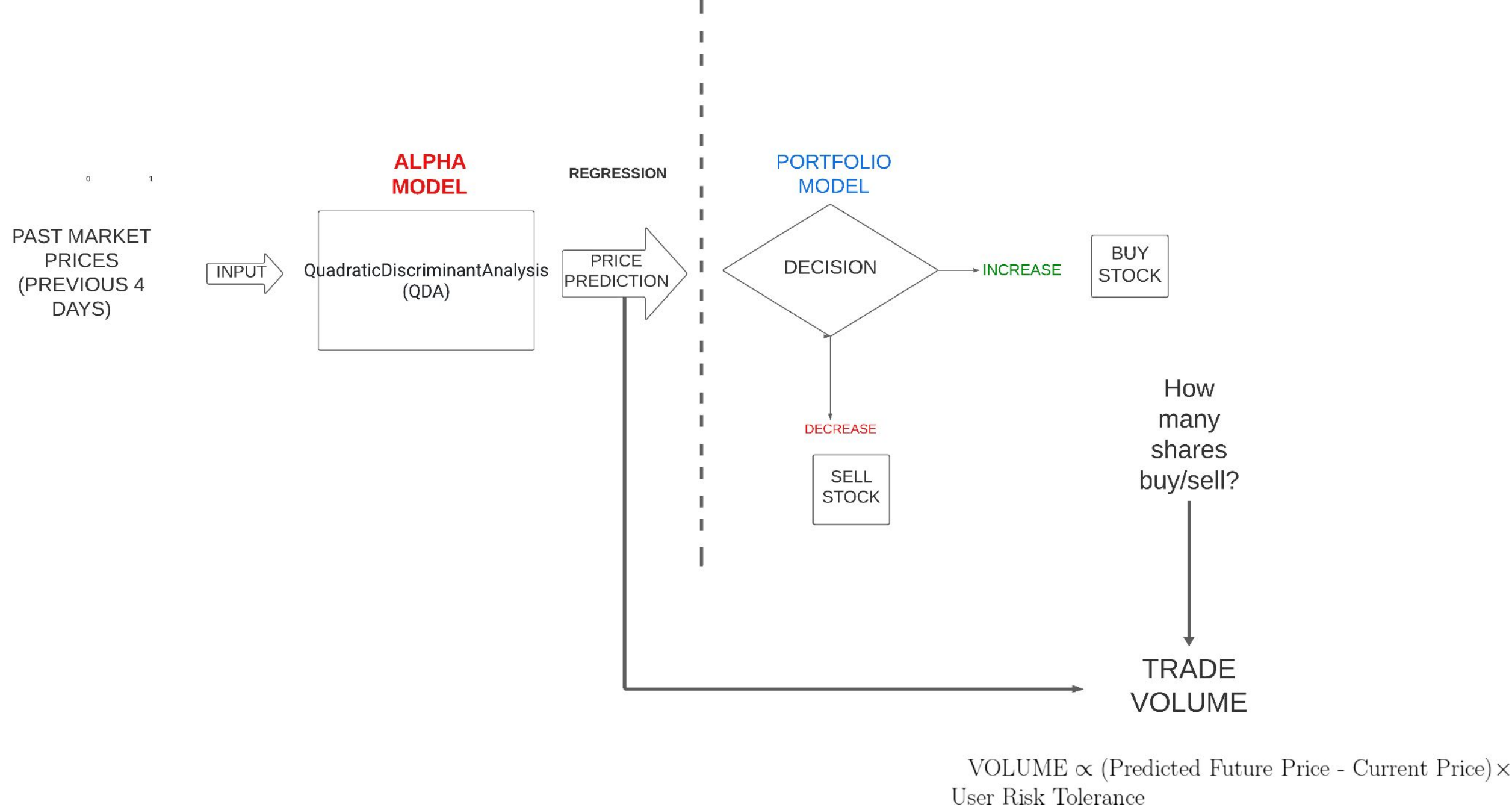
Portfolio model: How many shares should be bought based on inputs from 3 model above

Execution model: Talk with the brokerage account using their API. For this project, we will not need one since we will only test on historical data.

WHAT IS

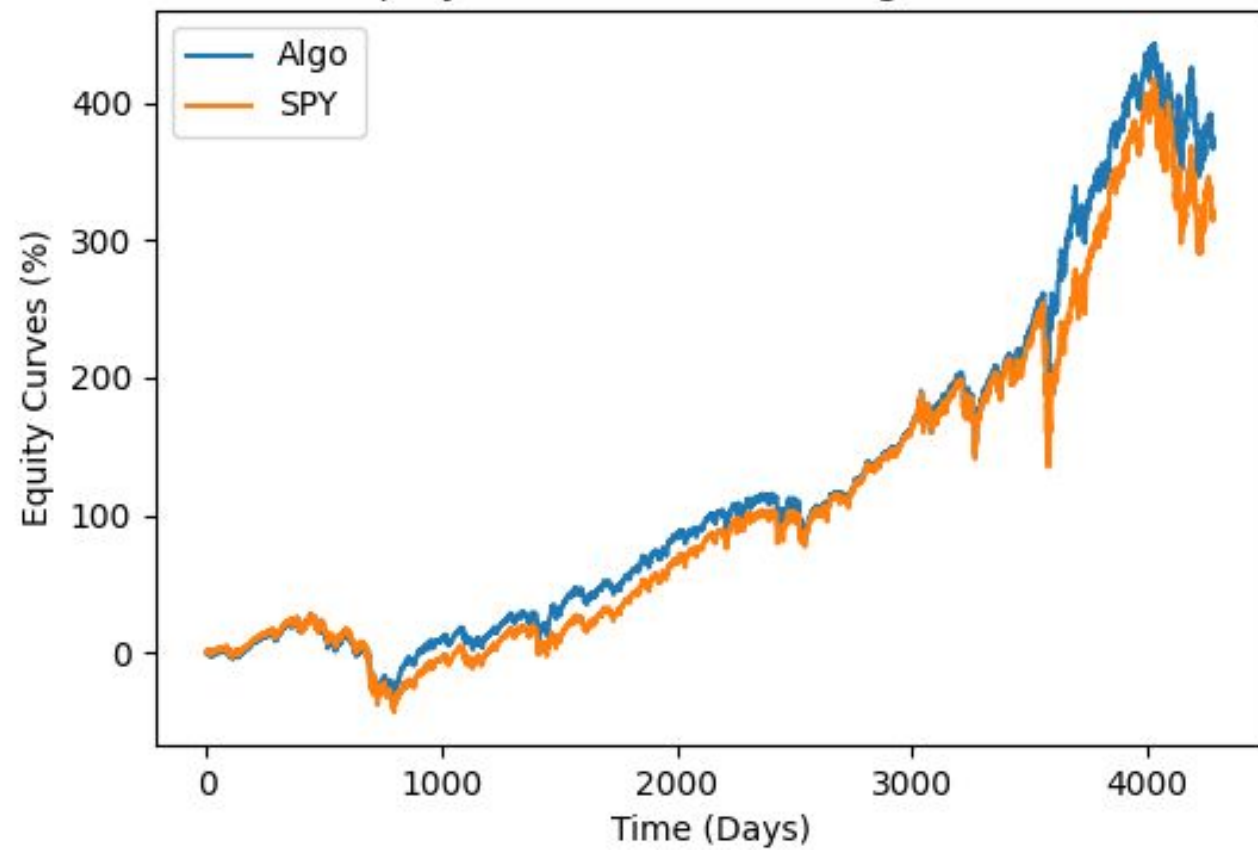


WHAT SHOULD BE



moderate risk

Equity Curve Over Time: Algo vs. SPY



RiskLevel

Risk Level:

Enter Stock Symbols (comma-separated):

spy

Enter Initial Capital:

50000

Submit

Total Gain: 372.57%

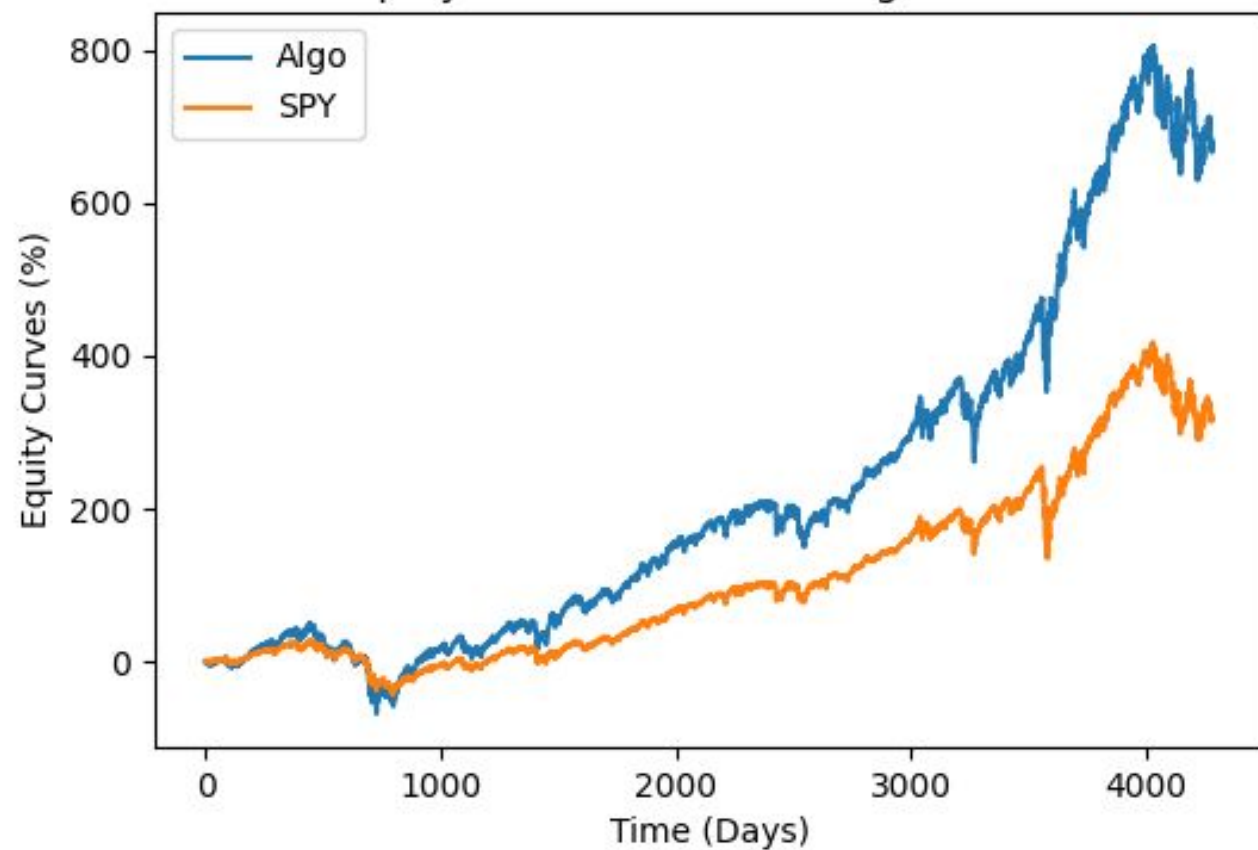
Drawdown: 96.56%

Trade Volume: 550

Lowest Equity: -37%

high risk

Equity Curve Over Time: Algo vs. SPY



RiskLevel

Risk Level:

Enter Stock Symbols (comma-separated):

spy

Enter Initial Capital:

50000

Submit

Total Gain: 677.40%

Drawdown: 175.56%

Trade Volume: 1000

Lowest Equity: -68%

ADAPTIVITY WITH SHORT TERM PREDICTIONS

OUR HYPOTHESIS

**NOT LONG TERM, ACCURATE
VALUATIONS** (HARD TO DO FROM NOISY
MARKET DATA- NOT EVERYONE IS WARREN
BUFFET)

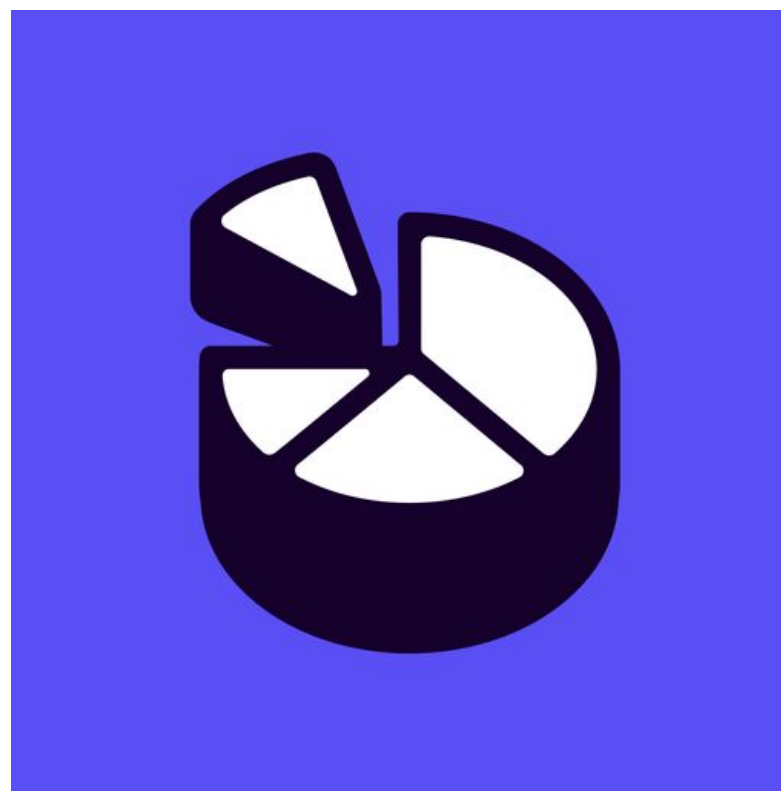
WHAT IS LEFT TO DO?

1) IMPROVEMENT IS POSSIBLE FOR
PREDICTION MODEL + MORE
SOPHISTICATED PORTFOLIO MODEL

2) CONVERT INTO A SOCIAL APP

INSPIRATION:

shares



HARJAS SINGH

Add automated trading feature to make it more accessible especially for people who has no day-trading experience.