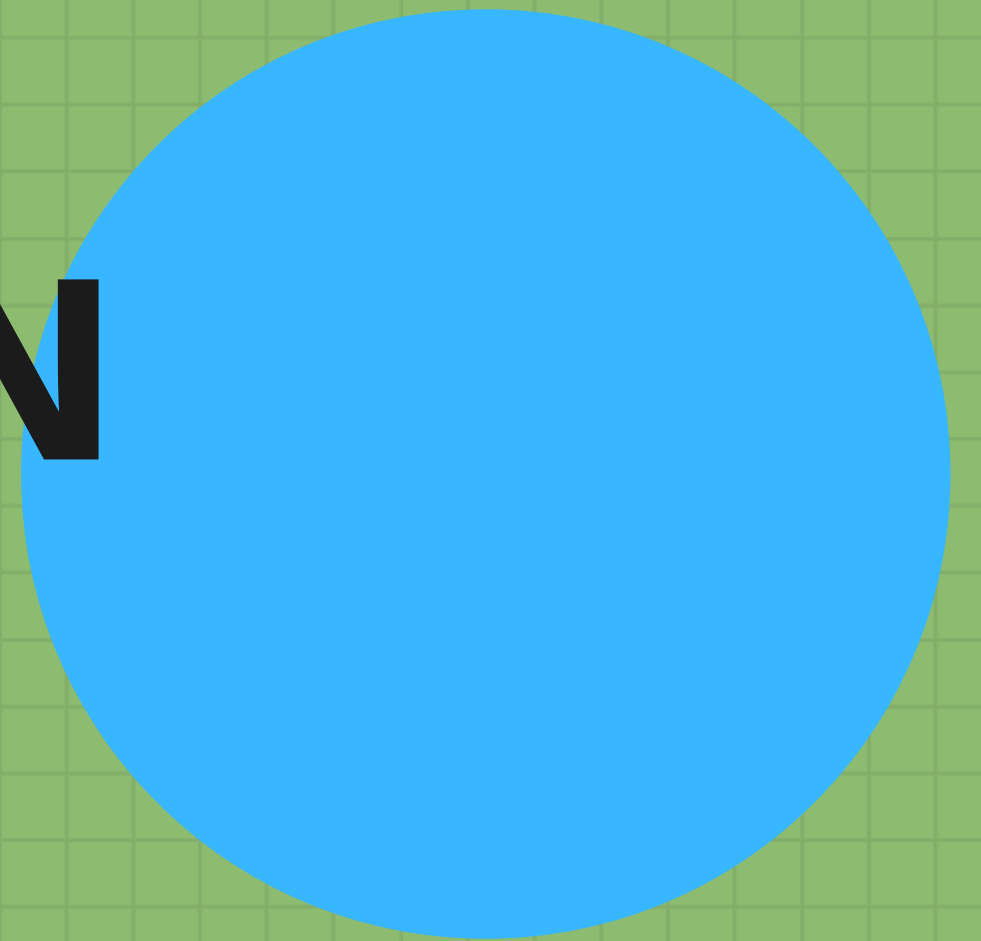
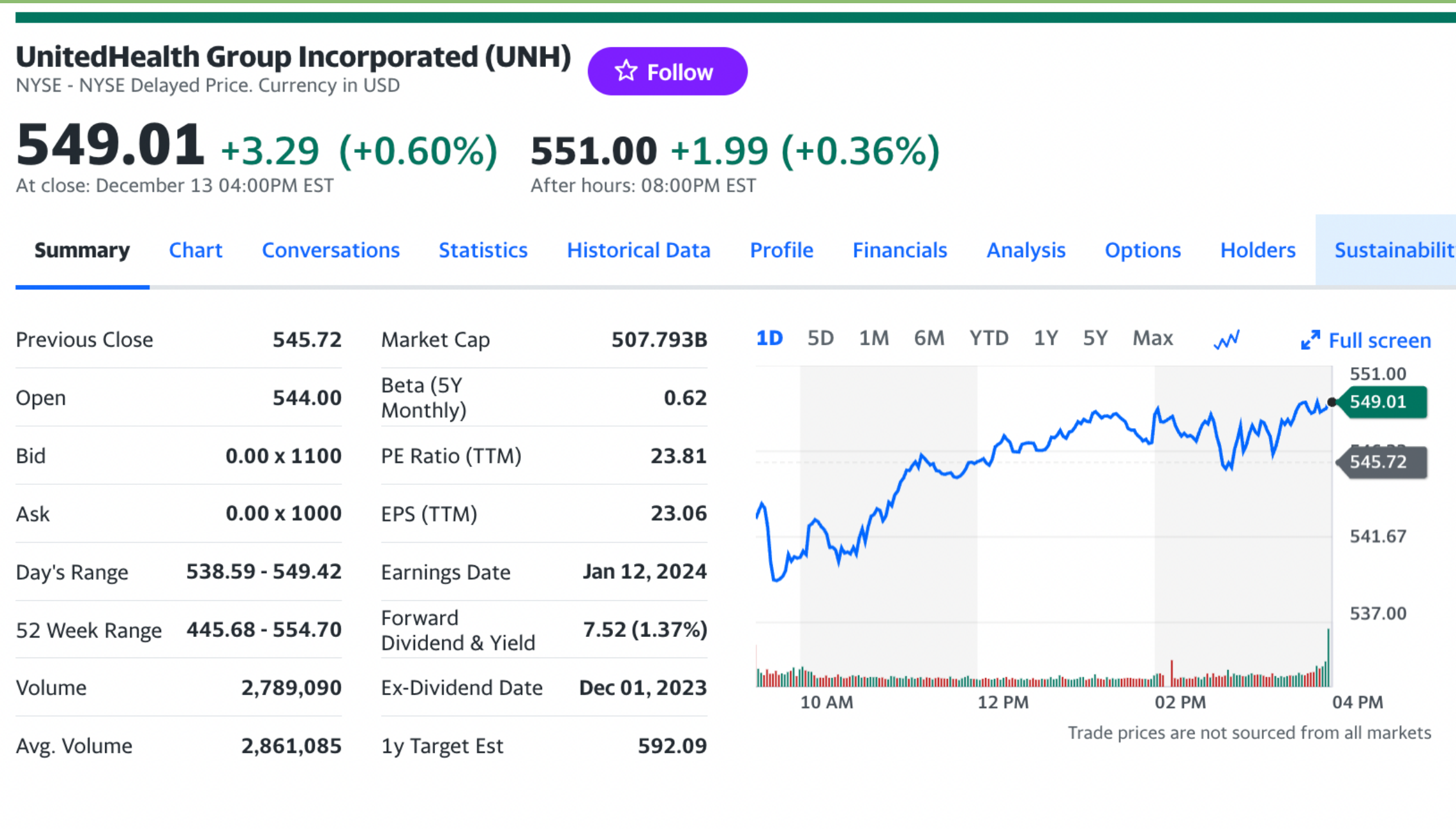


INVESTMENT ANALYSIS FINAL PRESENTATION

Christopher Pinkston



1) Analysis of a NEW company: United HealthCare Group Incorporated (UNH)



507 billion
market cap

.6 beta

.05 CORRELATION
COEFFICIENT WITH THE SPY

10TH STOCK IN SPY

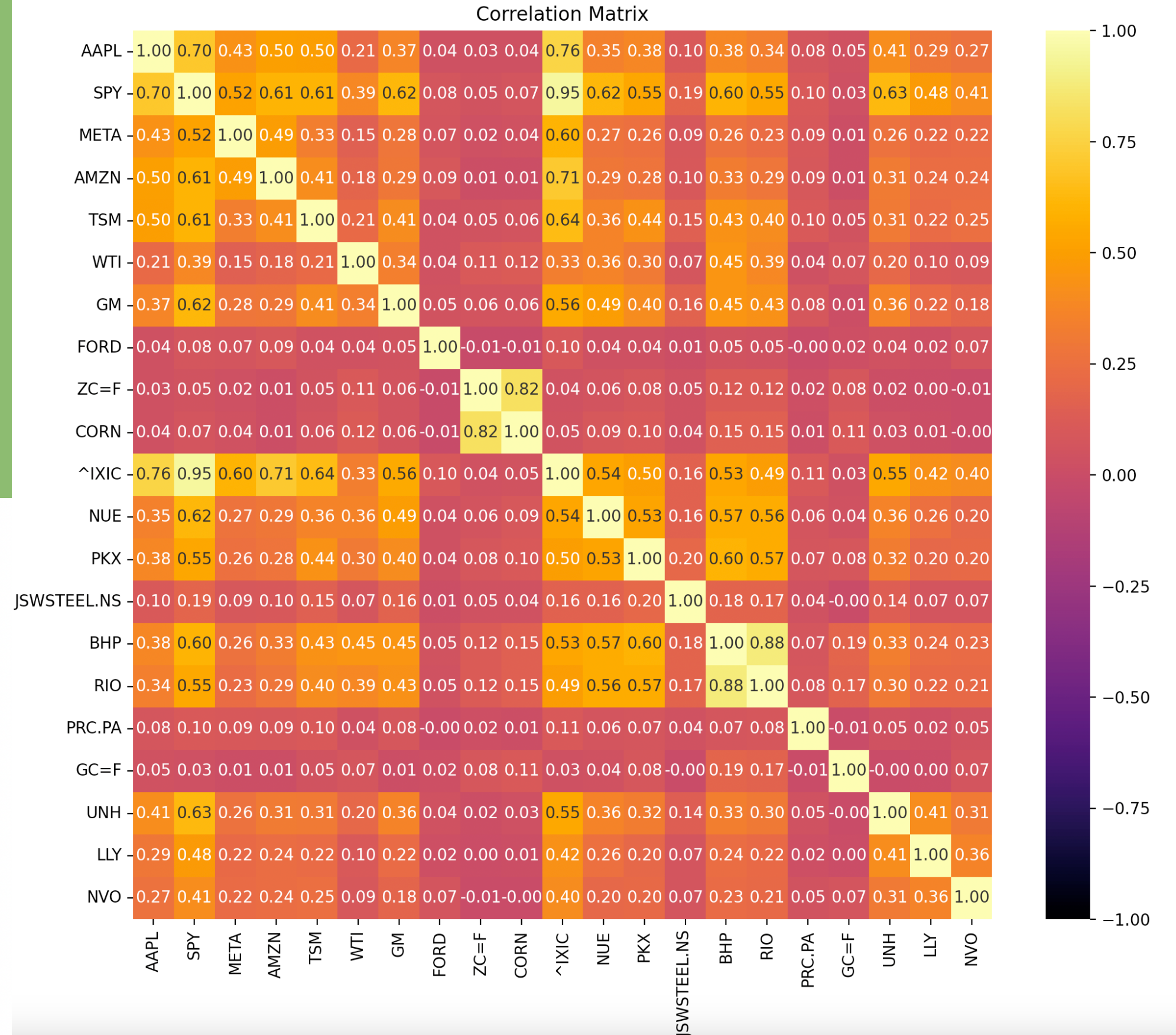
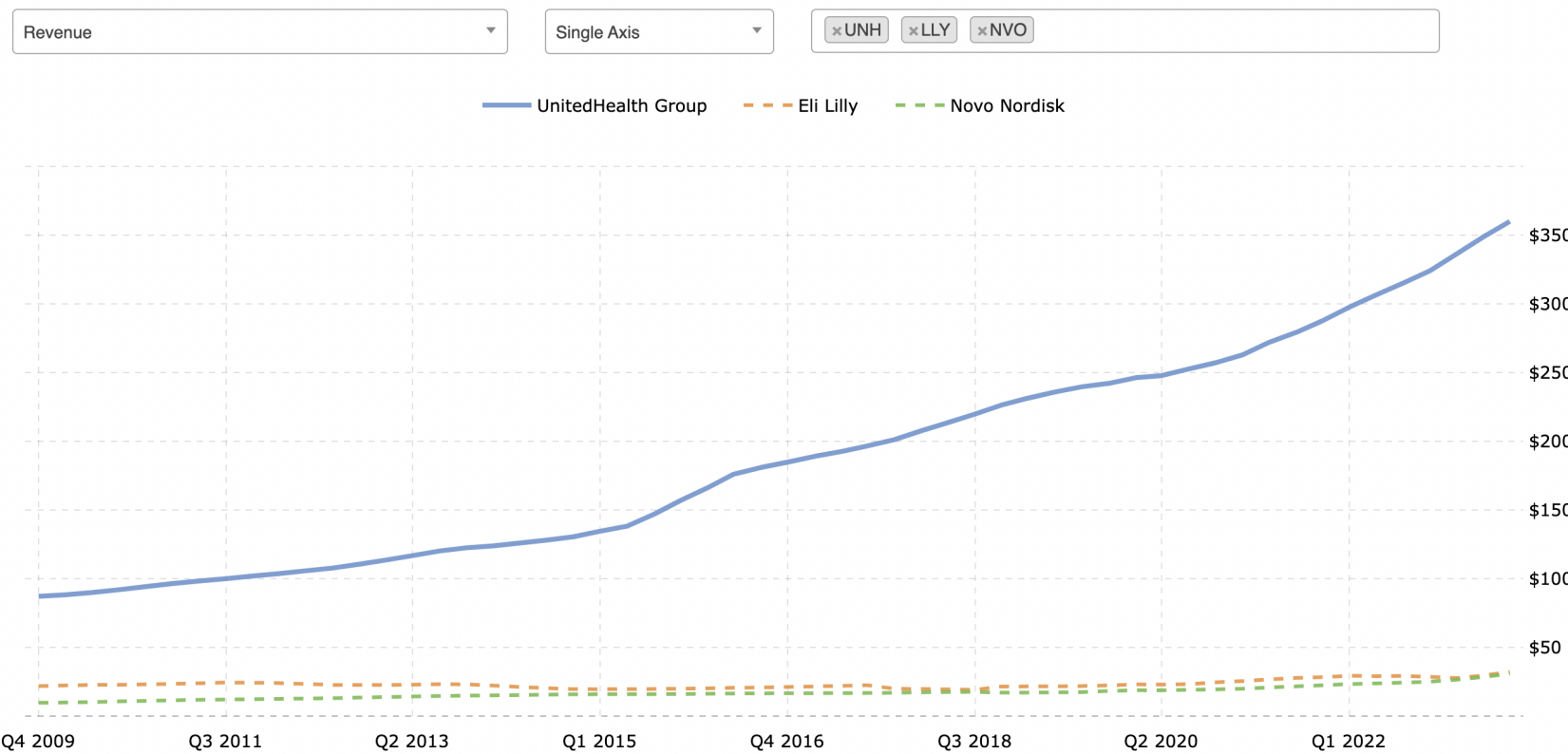
REVENUE OF UNH COMPARED TO LLY & NOVO

WEIGHTED AVERAGE COST OF CAPITAL

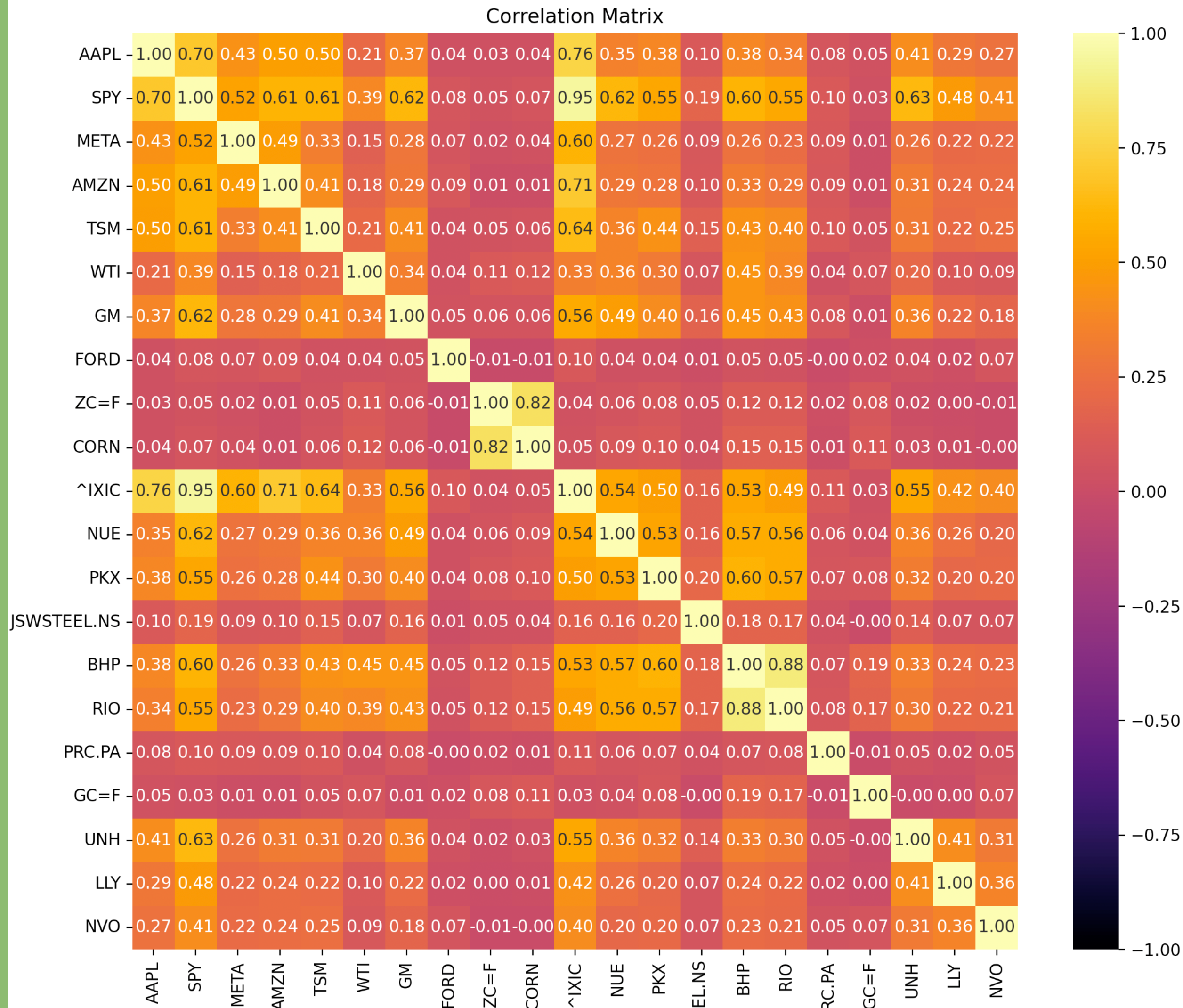
UNH: 7.1%

LLY: 6.6%

NVO: 6.26%



CORRELATION MATRIX



NEW INDUSTRY HEALTH INDUSTRY

TODAY, THERE ARE MORE THAN 46 MILLION OLDER ADULTS AGE 65 AND OLDER LIVING IN THE U.S.; BY 2050, THAT NUMBER IS EXPECTED TO GROW TO ALMOST 90 MILLION. BETWEEN 2020 AND 2030 ALONE, THE TIME THE LAST OF THE BABY BOOM COHORTS REACH AGE 65, THE NUMBER OF OLDER ADULTS IS PROJECTED TO INCREASE BY ALMOST 18 MILLION.



EXPECTED GROWTH COMPOUNDED ANNUALLY BY 2028

GLOBAL HEALTH INDUSTRY:
10.5%

GLOBAL TECHNOLOGY INDUSTRY:
20-23%

ANALYSIS OF A NEW INVESTMENT STRATEGY

SELLING CASH SECURED PUTS



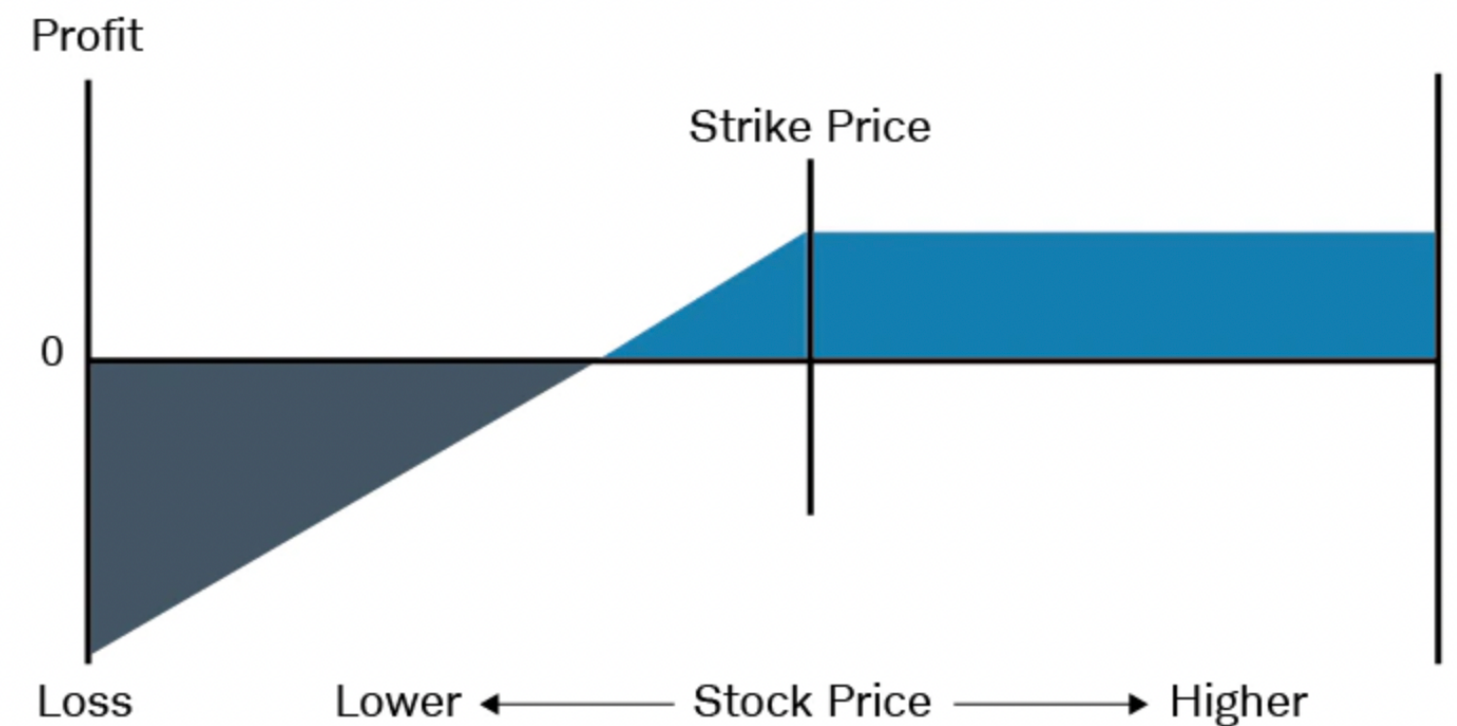
0. PICK EXERSIZE PRICE OF STOCK YOU WOULD FEEL COMFORTABLE HAVING THE STOCK AT.

1. YOU WRITE A PUT TO SOMEONE WITH THE HOPES OF THE OPTION EXPIRING WORTHLESS

2. RECEIVE PREMIUM, SET ASIDE CASH TO PAY OFF IF NEED TO BUY UNDERLYING ASSET.

3. HOPEFULLY COLLECT THE PREMIUM.

Profit and Loss Profile for a CSEP



Source: Schwab Center for Financial Research.



WHATS YOUR MOTIVE?

**DO YOU CARE MORE TO RECEIVE PREMIUM OR THE UNDERLYING
ASSET?**

HOW TO INCREASE PREMIUM OF PUT

- 1. THE CLOSER THE PUT IS TO THE EXERCISE PRICE**
- 2. THE FURTHER AWAY THE MATURITY IS IN TIME.**



251.55	0.00	-	1	0	310.00	4.90	0.00	-	1
245.67	0.00	-	1	0	320.00	3.65	0.00	-	1
223.67	0.00	-	1	0	330.00	5.15	0.00	-	1
216.97	0.00	-	1	0	340.00	4.60	0.00	-	1

EXERSIZE PRICE: 330

LETS SAY:

EXPIRATION: JAN 2025(1YR)

- YOUR COMFORTABLE BUYING AT 360.**

PRICE: 5.15

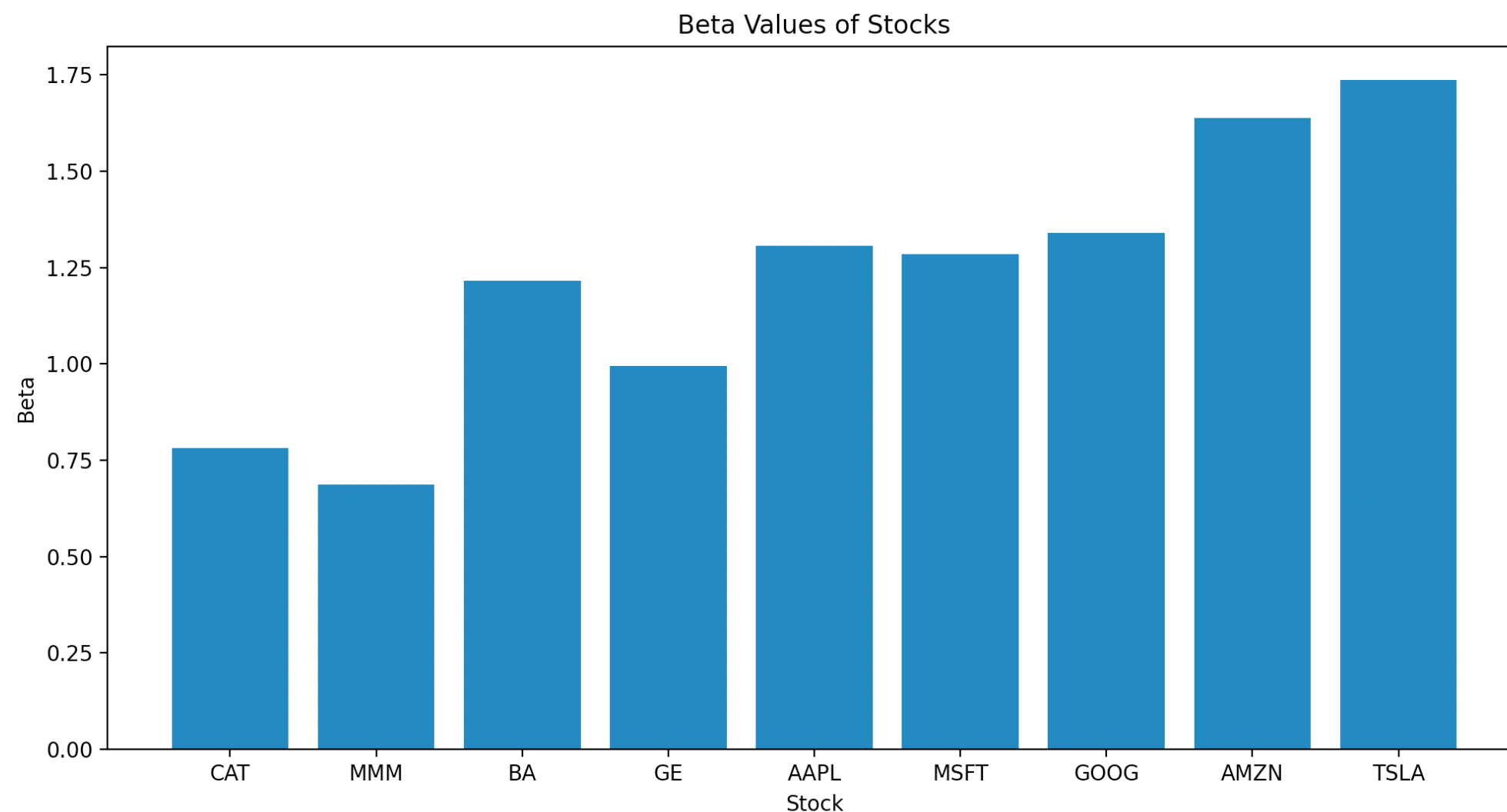
COLLECT \$515

SAVE 500 FOR BUYING STOCK.

**OUTCOME 1: STOCK STAYS ABOVE 330
TAKE 515 PREMIUM**

**OUTCOME 2: STOCK EXPIRES BELOW 330
BUY SHARES AT PRICE YOU CHOOSE**

Does heavy industry or tech always have a higher or lower beta than the overall index? Can you make money off of it?



MAKING MONEY OFF BETA:

IN A BULLISH MARKET: TECH WILL BEAT MARKET

IN BEARISH MARKET: INDUSTRY WILL LOOSE LESS

DATA MANIPULATION IN PYTHON WITH...

1. **PANDAS**(IT OFFERS DATA STRUCTURES AND OPERATIONS FOR MANIPULATING NUMERICAL TABLES AND TIME SERIES)
2. **PYPLOT**(CREATES A FIGURE, CREATES A PLOTTING AREA IN A FIGURE, PLOTS SOME LINES IN A PLOTTING AREA)

? QUESTIONS ?