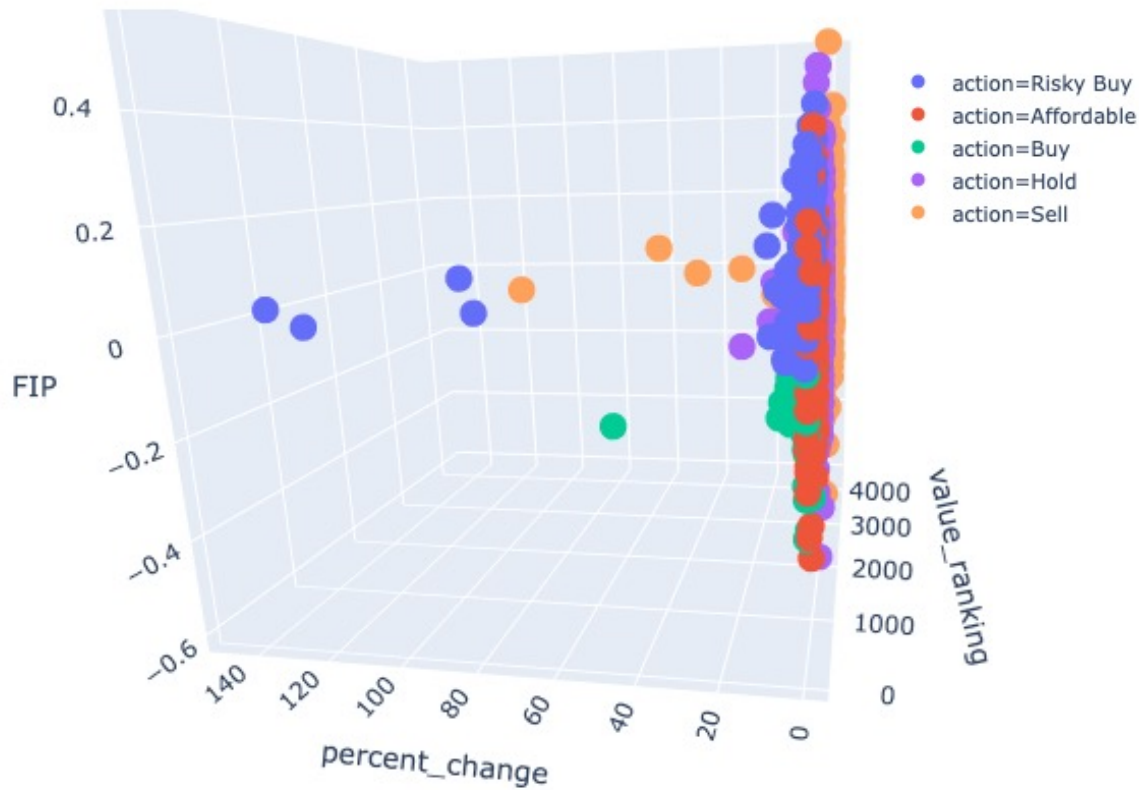


Finding Stock Market Inefficiencies

ANALYSIS BY BRIAN BENTSON

Business Goal

find which stocks offer the unique combination of low cost, growing and low volatility



1

Use machine learning to find which companies are:

- Inexpensive, relative to their performance
- Growing in value
- Low volatility

2

Use anomaly detection to find data quality issues

3

Visually interact with key KPI's to research potential stock purchases and sales

Data Overview

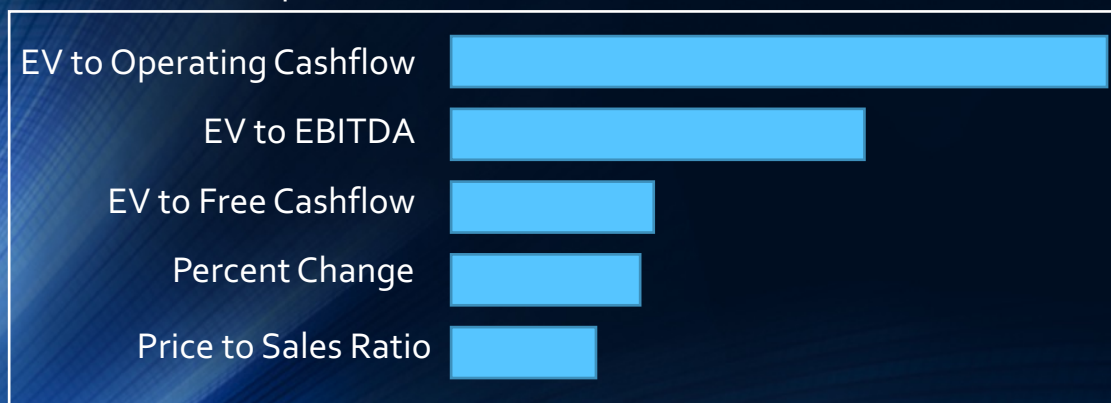
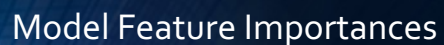
FMP

Financial Modeling Prep

- Sourced data from FMP's API
- 4311 stocks after removing null or negative values and removing highly volatile sectors
- Pulled company profile information, historical performance metrics and stock price

96% Overall Accuracy in Predicting Action

Percentage Correctly Classified



Symbol	Revenue Per Share	PE Ratio	PS Ratio	EV to EBITDA	EV to Free Cashflow	EV to Operating Cashflow
IIVIP	26,456	0.14	.01	.07	.1	.07

Stock Profile Dashboard

HIT Capital
HONESTY · INTEGRITY · TRUST

Date: Last 4 quarters

Income Metrics Over Time

	2018 Q4	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1
Earnings										
Sales										

Expense Metrics Over Time

	2018 Q4	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1
Operating Expenses										
Cost And Expenses										

Cashflow Metrics Over Time

	2018 Q4	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1
Free Cash Flow										
Operating Cash Flow										

Stock Price Last 365 Days

190.6 298.2

Latest News

Published Date	Title	Site	Uri
8/19/2020	II-VI (NASDAQ:IIVIP) Shareho...	Yahoo	https://fina...
8/13/2020	Dow Jones Today, Futures B...	Yahoo	https://fina...
8/13/2020	II-VI Incorporated Reports F...	Yahoo	https://fina...
8/12/2020	II-VI Incorporated to Acquir...	Yahoo	https://fina...

R&D Spend Over Time

	2018 Q3	2019 Q1	2019 Q3	2020 Q1	2020 Q3	2021 Q1
R&D Spend	\$33.35M	\$33.76M	\$36.20M	\$107.70M	\$163.106.00M	

Shares Outstanding

	2019	2020	2021
Shares Outstanding	60M	65M	75M

Shares Outstanding Diluted

	2019	2020	2021
Shares Outstanding Diluted	60M	65M	75M



Dashboard Demo



Thank you

Questions?

Appendix