Scrape web to get top 10 companies to target for the next day.

Pandas or json

Need an API to get data for different stocks - need to return pricing at different instances of the day.

But what stocks to look at? Finding relevant stocks

Alpha vantage- restricts to 5 API class every minute (so you’ll get the price of each stock every minute)

Use Yahoo finance for webscraping – Beautifulsoup, selenium

How to find relevant stocks?

Focus on high volume stocks that see significant price movements (change %) - high volatility, heavy trading volumes

Metrics to change

Typically move more than 5% per day based on a 50 day average. Priced between 100$ - 200$

Trading volume of 4 million or more during the past month.

(usually look for stocks that have at least 1 mil shares traded daily)

Summary: Monitor intraday volatility to choose which companies stock info you want to collect with Alpha vantage