

Portfolio Risk Analysis

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What are the goals?

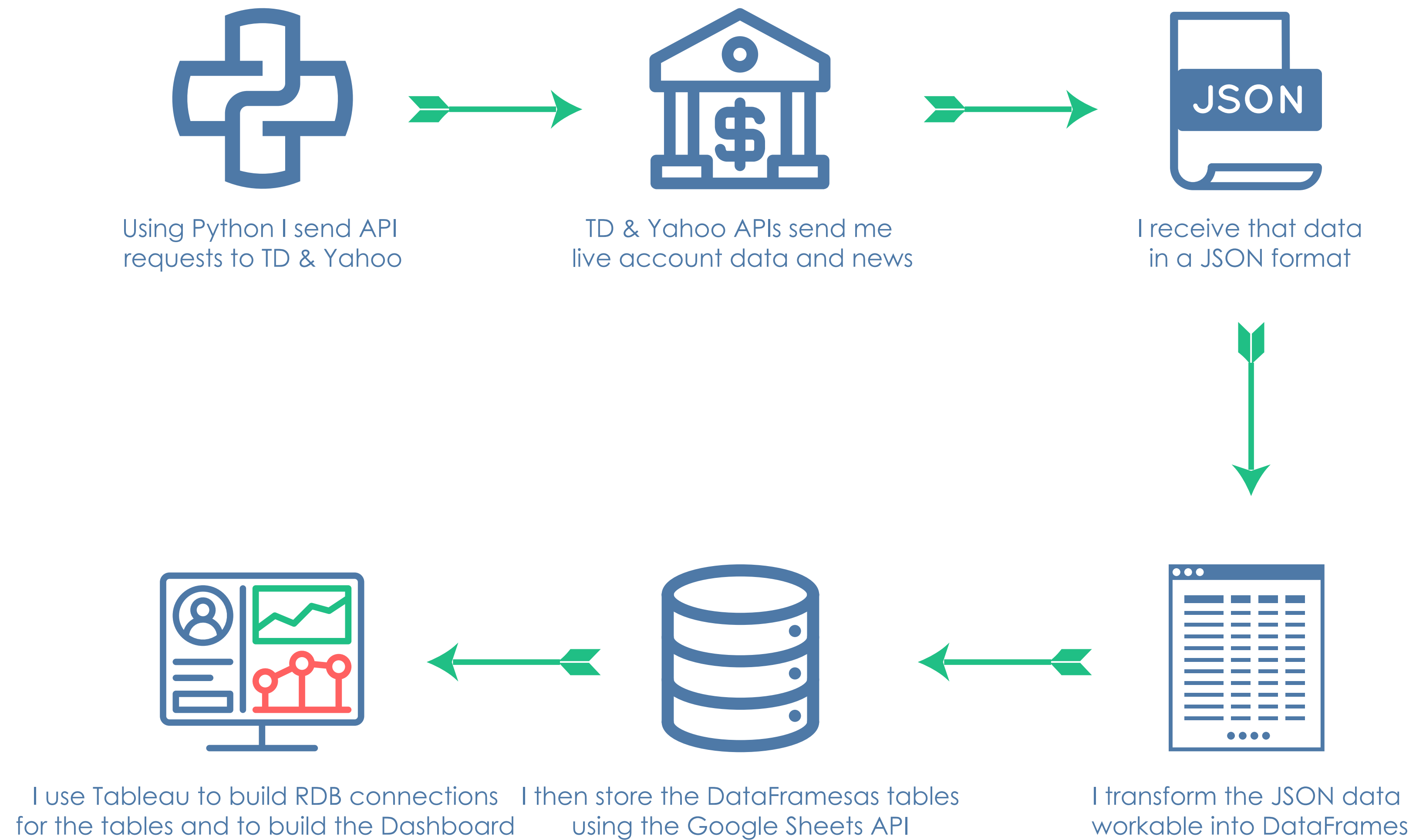
Goals:

- Analyze investment assets at a glance
- Identify potentially risky positions
- Give context to asset movements

Tools of the Trade:

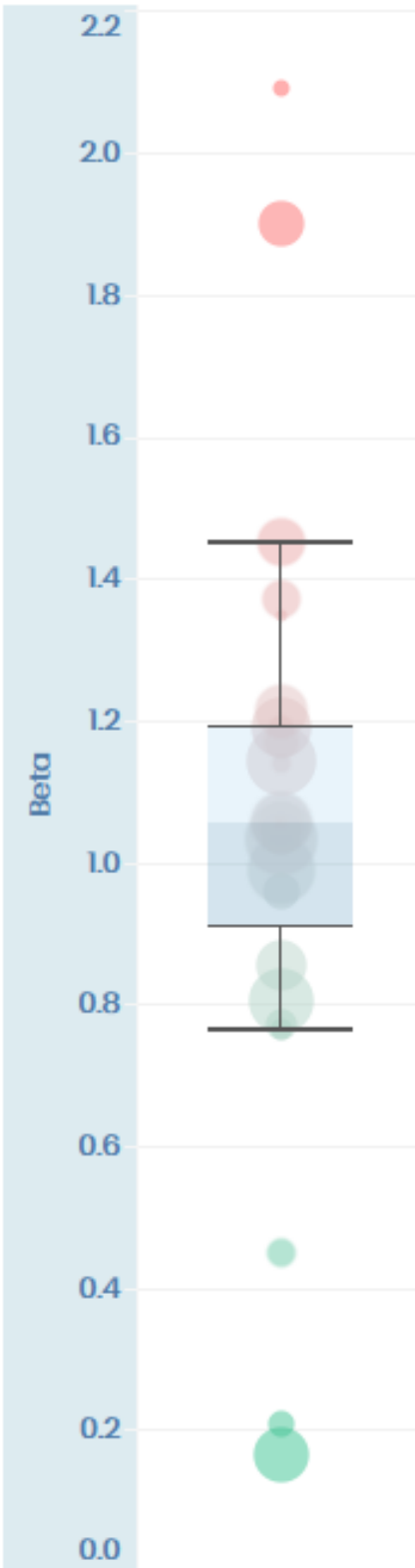
- Python/Pandas (ETL)
- Google Sheets (database)
- TD Ameritrade API (live account data)
- Yahoo Finance API (Gainers/Losers news articles)
- Tableau (RDB connections + data viz)

How does the data flow?



What does this supply?

Beta
Measurement



Portfolio Value
\$31,167.95

Today : 1 Minute \$ABR



Top Gainers

Symbol	Value	Pct Change
MNMD	\$1,175.00	13.68%
MA	\$1,190.85	1.69%
ABR	\$889.00	1.66%

Top Losers

Symbol	Value	Pct Change
RUN	\$642.00	-4.65%
VWDRY	\$869.64	-3.37%
MSFT	\$1,271.50	-2.83%

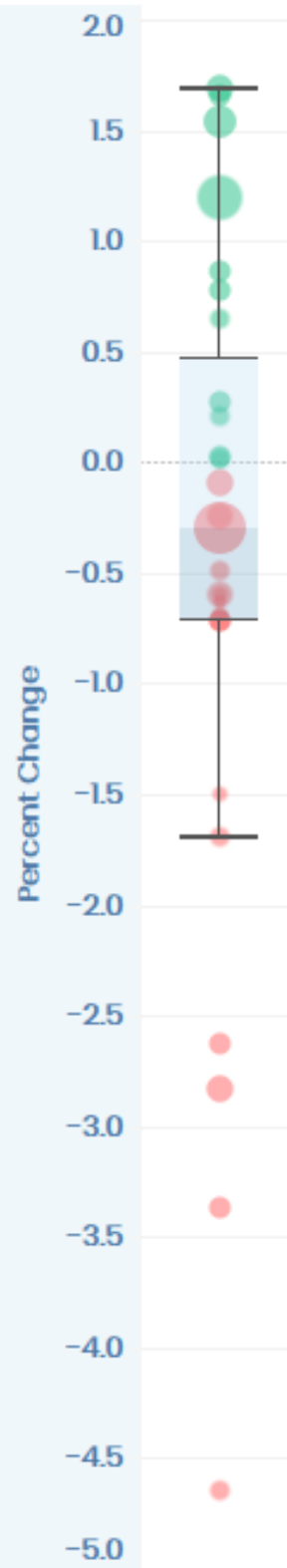
Weight & Risk

Symbol	Weight & Risk
AMZN	Positive Beta Correlation Over Weight
ARKG	Positive Beta Correlation Under Weight
IWF	Positive Beta Correlation

News

Title	Source	Summary
Arbor Realty Trust Announces Tax Treatment of 2020 Dividends	GlobeNewswire	UNIONDALE, N.Y., Jan. 29, 2021 (GLOBE NEWSWIRE) --
Arbor Realty Trust Declares Preferred Stock Dividends	GlobeNewswire	UNIONDALE, N.Y., Feb. 01, 2021 (GLOBE NEWSWIRE) --
Billionaire David Tepper's Top 10 Stock Holdings	Insider Monkey	In this article we looked into billionaire David Tepper's top 10 stock holdings.
Company News for Jan 29, 2021	Zacks	Companies In The News Are: MA, MCD, NOC, etc.
Here's What Analysts Are Forecasting For Mastercard Incorporated (NYSE:MA) After Earnings	Simply Wall St.	Mastercard Incorporated (NYSE:MA) shares are up 1.69% since the last earnings report.
Mastercard (MA) Q4 2020 Earnings Call Transcript	Motley Fool	MA earnings call for the period ending December 31, 2020.
Reddit-Hedge Fund Battle Loser Candlestick Capital's Top 10 Stock Holdings	Insider Monkey	In this article, we reviewed Candlestick Capital's top 10 stock holdings.
Visa and Mastercard Stock Rise on Earnings. Why They Could Signal Recovery Hope	Barrons.com	Credit card companies got a boost after positive earnings reports.

% Daily
Profit/Loss



Symbol
Selector

AAPL
ABR
AMRC
AMZN
ARKG
ARKK
ARKW
AWK
GM
IIPR
ISRG
IWF
JPM
LOW
MA
MNMD
MSFT
NDAQ
NEE
Portfolio
REGI
RUN
SEDG
UNH
UNP
V
VWDRY
WDFC
XLB

Dashboard that provides:
Portfolio Value: The account's net liquidity.

Beta Measurement: A measure of a stock's volatility in relation to the overall market.

1 Day 1 Minute Chart: Shows the movement of a particular stock throughout the day.

% Daily Profit/Loss: This shows the percent change of a stock's value over the day.

Gainers & Losers: These are the top 6 stocks that have moved today.

Weight & Risk: These are flagged positions brought up according to the position weight and volatility.

News: This portion of the dashboard relays context on the Top Gainers/Top Losers.

Symbol Selector: This allows for filtering directly to a specific stock ticker.