



**S &P 500 STOCK
ANALYSIS
2014 - 2017**

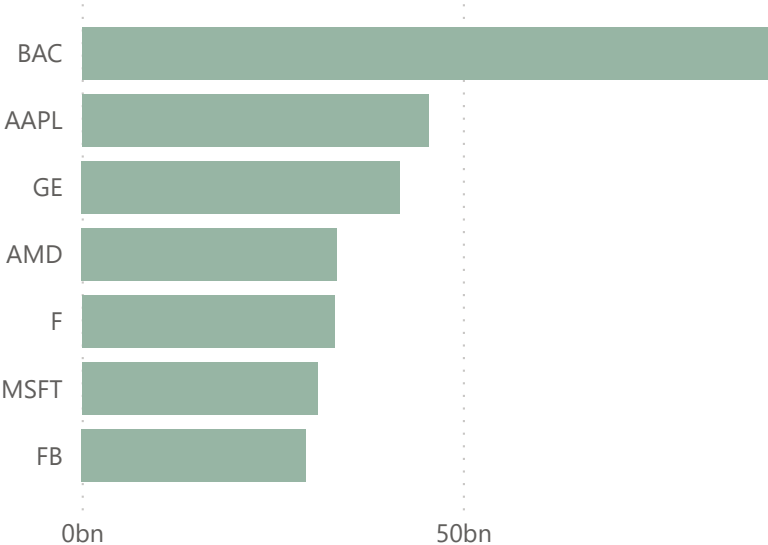
505
STOCK COMPANIES

2T
TOTAL VOLUME

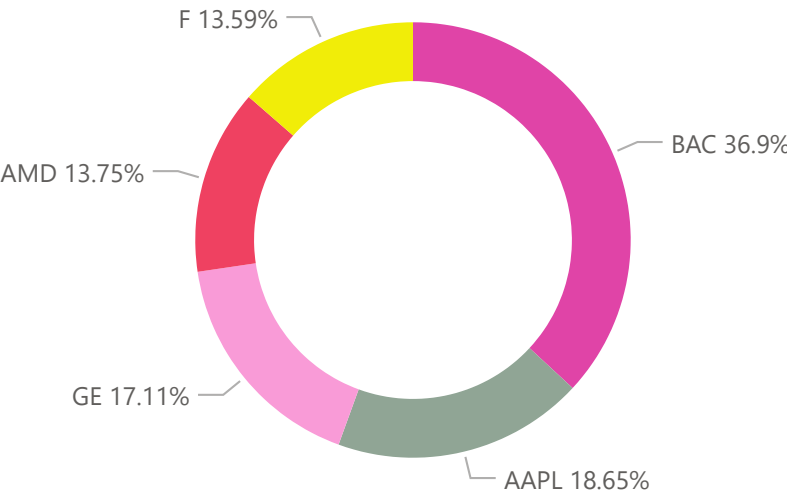
2
AVG VOLATILITY

4M
AVG DAILY VOLUME

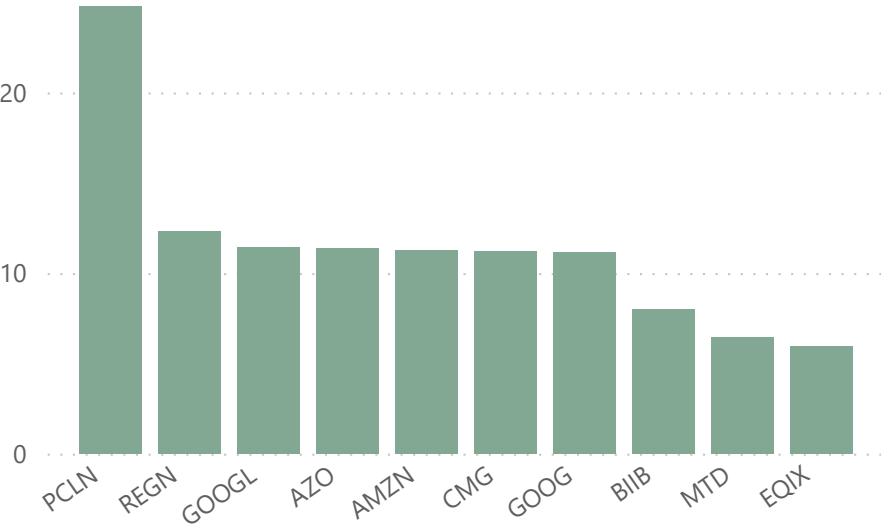
Top 7 stocks by Volume



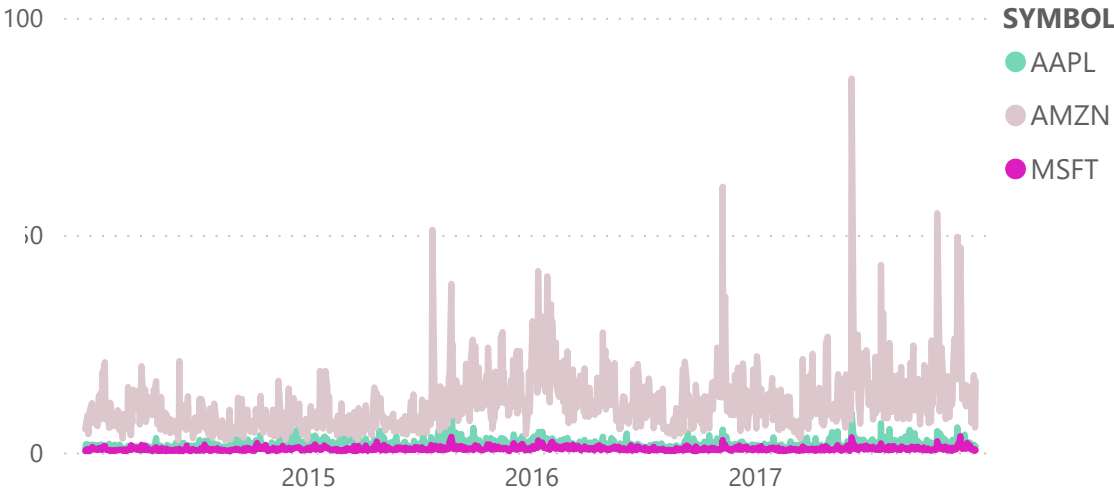
Top 5 traded stocks by volume percentage



Average Stock volatility



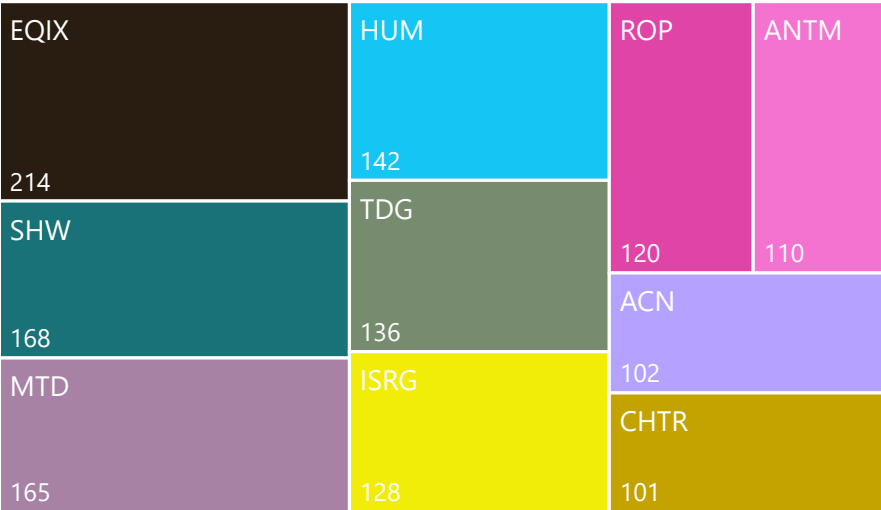
Volatility by Stock



Daily Volume of stocks traded

Day Name	VOLUME
Friday	26844M
Wednesday	26526M
Thursday	25802M
Tuesday	25631M
Monday	22988M
	127791M

Top stocks by Gains



About the S&P 500:

The most widely quoted stock market index and represents the largest publicly traded companies in US. The S&P 500 index is a basket of 500 large US stocks, weighted by market cap.

key terms:

* **Volatility** is the rate at which the price of a stock increases or decreases over a particular period. Higher stock price volatility often means higher risk. As volatility increases, the potential to make more money quickly also increases, although you also risk losing a lot.

* **Volume** is the number of shares of a security traded during a given period of time.

* **To calculate gains/loss:** Subtract the opening price from closing price, then multiply by number of shares owned.
ie. $(\text{close} - \text{open}) * n$. To obtain %age return $((\text{close} - \text{open}) / \text{open}) * 100\%$

1. Between 2014-2017 BAC was the most traded stock by volume with approx 90 bn dollars followed by AAPL.
2. Friday has the highest trading volume followed by Wednesday and Monday has the least trading volume.
3. On average, Amazon stock was more volatile than both Apple and Microsoft stock thus riskier to invest in.
4. AMZN's greatest volatility was seen on Friday 9th June 2017.
5. Total volume of shares traded over the 4 year period is 2 Trillion.
6. On average, 4 million shares were traded daily.
7. The most volatile stock over the 4 year period on average was PCLN