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July 18, 2024

# Market Structure EDGE You Can and Should Be A Quant Investor: How To Do Less and Make More

**Tim Quast** 

Founder & CEO
Market Structure EDGE

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As with all investments, your capital is at risk

# You Can and Should Be a Quant Trader Do Less, Earn More

Tim Quast, founder and CEO of Market Structure EDGE
July 18, 2024



- Tim Quast Almost 20 years in Market Structure Analytics
- Market Structure EDGE Only quantitative Supply and Demand data for traders
- My market education will necessarily emphasize what I know.





# **Session description:**

Nearly all the prices are set by machines. And there you are, studying charts, scrutinizing financial performance. Surely there's a better way! Yes, there is. You must realize that there are times you should trade, times you should golf (or whatever).



"Tim, I don't like math. Quant investing isn't for me."

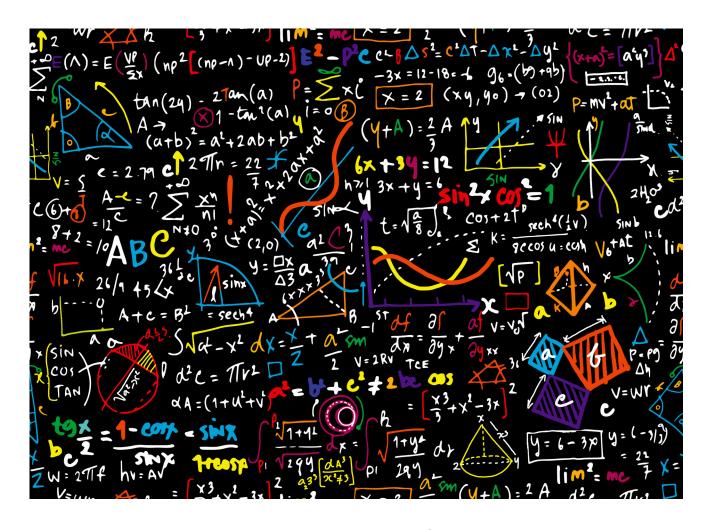


Illustration <u>96290055</u> © <u>9george</u> | <u>Dreamstime.com</u>



How do you know this is correct? Is this better than math?

No! Let machines do the work.



Illustration 326443005 © Thanet Khatchakhieo | Dreamstime.com



### Because most of the money follows models, not charts, financials.

**Active Investment (80%)** 



circa 2000 volume:
Winning stocks: The ones
the best stock-pickers buy.

Active Investment (10%) (This is Benjamin Graham)

**Fast Trading (46%)** 

Investment horizon of a day or less - speculation on prices

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**Speculative Trading (10%)** 

**Other (10%)** 

2024 S&P 500 volume:
The ones the best
stock-pickers buy have
a 1-in-10 chance of
winning.

Sources: 2000 data are estimated based on firms making markets at the time, Investment Co Institute data on fund assets. 2024 data from ModernIR models, 200-day averages.

Passive Investment (25%)

Index Funds, ETFs, Quant Funds

**Risk Mgmt (19%)** 

Using derivatives, leverage



# And this is how prices are set – so how could

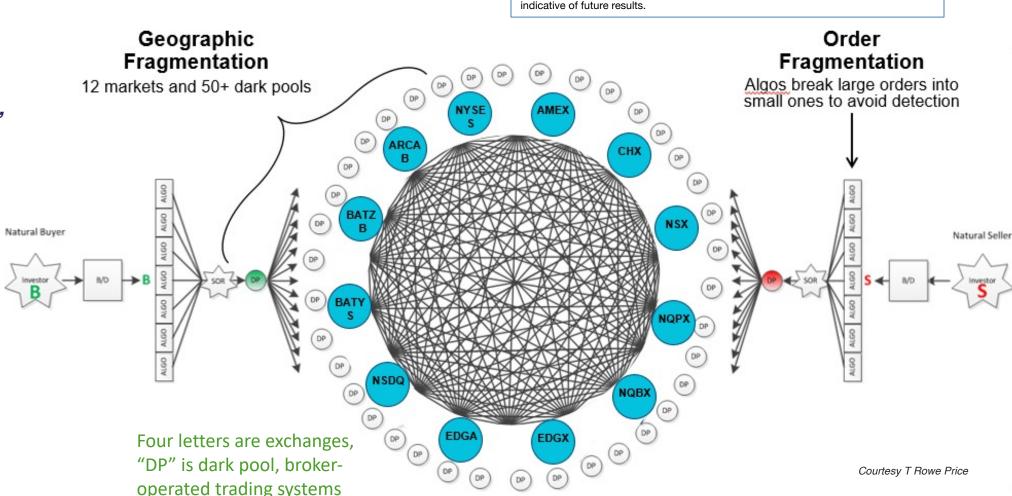
technical signals be accurate?

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For an Active
"Natural" Buyer
(left) to find an
Active "Natural"
Seller (right),
orders must
navigate the
"Death Star"
and compete
with other
behaviors.

Note: 2024 figures differ some versus these 2017 data from T Rowe Price: 16 Exchanges, 30 dark pools



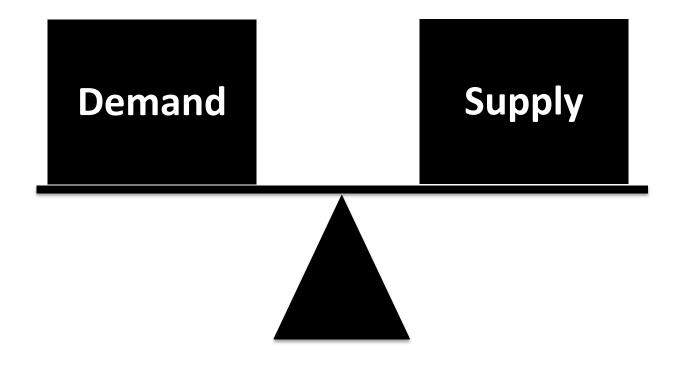
= Complexity and Excessive Intermediation



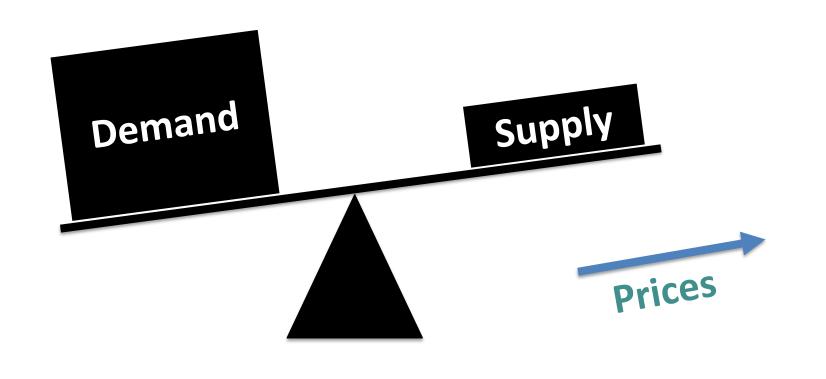
"In 2017, Optiver revealed that a good wire-to wire time was around 2.5 microseconds (2.5 microseconds is about the time it takes for light to travel from the spire of the Burj Khalifa to the ground). The paper goes on to say it's down to 10 nanoseconds, or the time it takes for light to travel from a lectern on a stage to the first row of audience Seats." – TABB Forum White Paper, June 3, 2024, Systematic Longshort

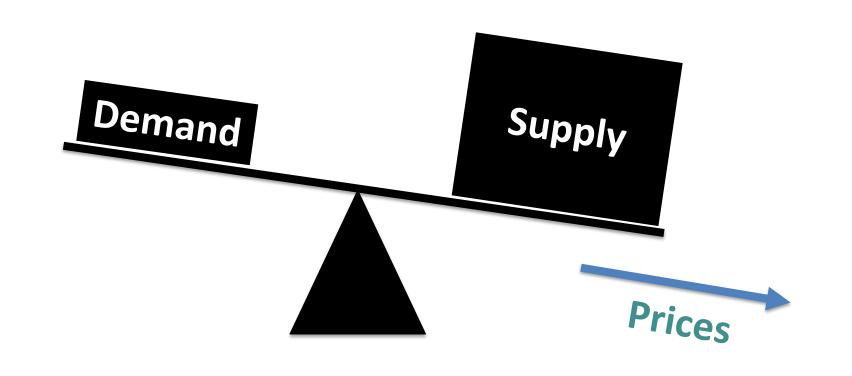
Prices are
Set by
Machines,
not Humans.











#### **Smallcaps** Companies: 1952 Leading Sector: Health Care Leading Behavior: Fast Trd **Demand rose in July.** Trade Date: 7/12/2024 Sentiment: 5.6 5/31 7/12 And Supply fell. Short Vol %: 45.9 Trade Date: 7/12/2024 Any stock, options or futures symbols displayed are for illustrative purposes only and are not intended to portray 50% recommendations, or an invitation or inducement to trade a particular financial 45% instrument or to engage in an investment activity. There is a 7/5 6/28 substantial risk of loss in trading futures and options. Past performance is not indicative of future results.

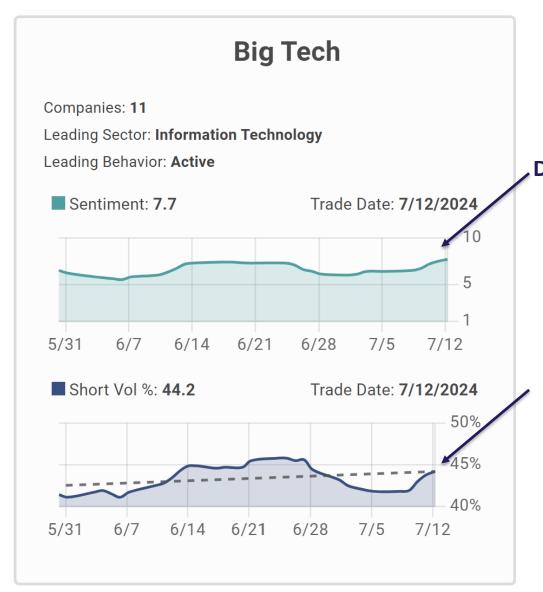
What the machines doing the work say:

Why is the Russell 2000 outperforming large caps? Math.

When it changes, the run is over.

Source: MarketStructureEDGE.com dynamic portfolio, criteria, "small caps."





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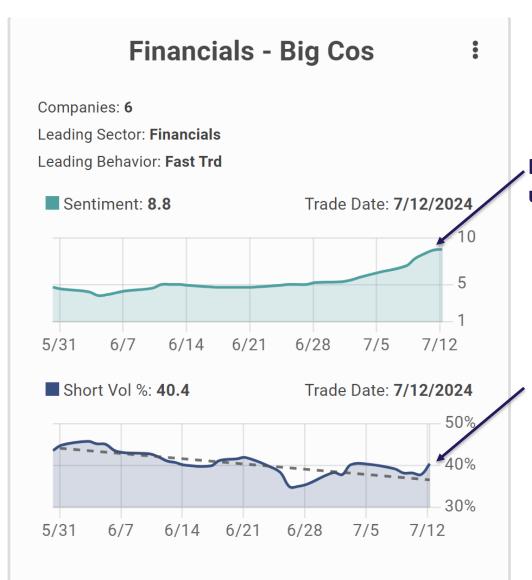
Demand is solid.

But Supply is rising – no divergence.

How about
Big Tech
(Mag 7-ish)?

Source: MarketStructureEDGE.com static portfolio, META, MSFT, AAPL, AMZN, GOOG/L, NVDA, TSLA, NFLX, AMD, SHOP





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Demand and Supply DIVERGED until now. Demand is peaked.

And Supply jumped Jul 12

– right before the banks
reported earnings.

Big banks
have been
great — until
earnings.
Why?

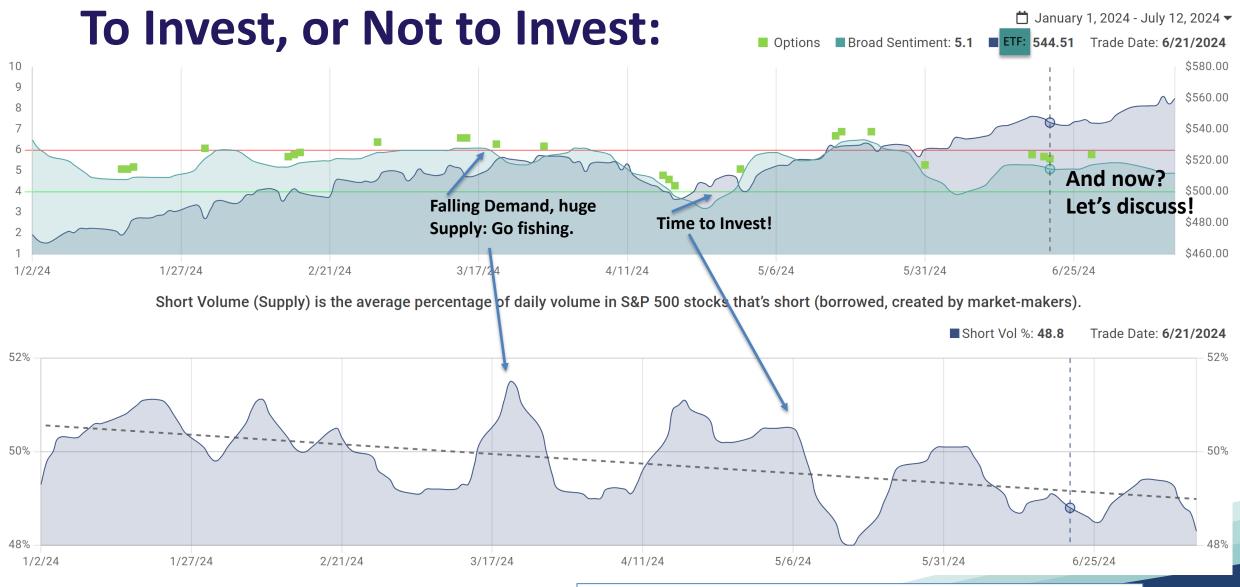
Source: MarketStructureEDGE.com static portfolio, criteria: JPM, WFC, BAC, GS, MS, C



# Quant Investing is responsive to conditions:

- **1. Broad Sentiment** *Market demand rising or falling?*
- **2. Context** Options expiring? Jay Powell speaking? Economic data hitting the wires?
- **3. Divergence** The PROBABILITY machines will raise or lower prices?

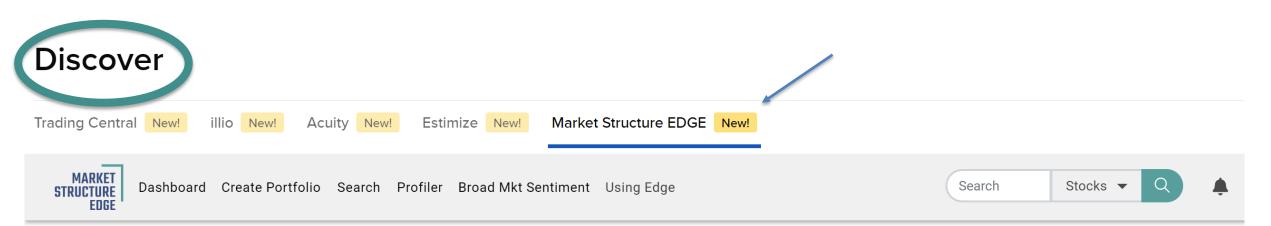




Source: Marketstructureedge.com, available via IBKR Discover

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Market Structure EDGE uses analytics built on the rules and mechanics of the US equity market to identify high-probability (50%-100%) Momentum (volatility of 3% or more) or Low Volatility (volatility (volatility or less) Daily Trading Ideas among liquid stocks, with entry and exit ranges for 1-5 days. We look for certain recurring conditions in the trailing 90 days to predict what might be possible ahea performance is no guarantee! This is not advice. But it's actionable, validated data. If total choices across both portfolios are 30 or more, that's a lot. At times, there may be few or none in one or portfolios, a signal to wait for better conditions.

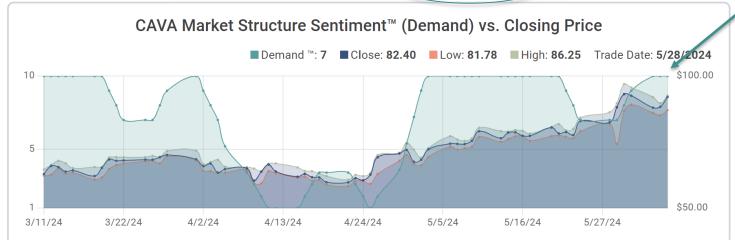


#### Momentum Portfolio ②











#### Demand

- 1. Demand/Supply Divergence
- 2. Broad Sentiment rising
- 3. Limit orders premarket
- 4. Stops 1% below
- 5. Limits 2% up
- 6. Go walk the dog

What happened with this trade? Look up CAVA, 2% gains 3 of the next 5 days.

Supply

Source: Marketstructureedge.com, available via IBKR Discover

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Now, let me show you how to be a quant investor at Interactive Brokers...

