

May 21, 2025

Nasdaq

Nasdaq-100® Derby: Leaders and Laggards of 2025

Kevin Davitt

Head of Index Options Content
Nasdaq

www.ibkrampus.com/webinars

www.ibkrampus.eu/webinars

Exchange and Industry Sponsored Webinars are presented by unaffiliated third parties. IBKR is not responsible for the content of these presentations.

You should review the contents of each presentation and make your own judgment as to whether the content is appropriate for you. IBKR does not provide recommendations or advice. This presentation is not an advertisement or solicitation for new customers. It is intended only as an educational presentation.

Disclosure:

Options involve risk and are not suitable for all investors. For information on the uses and risks of options, you can obtain a copy of the Options Clearing Corporation risk disclosure document titled Characteristics and Risks of Standardized Options by visiting ibkr.com/occ. Multiple leg strategies, including spreads, will incur multiple transaction costs.

Futures are not suitable for all investors. The amount you may lose may be greater than your initial investment. Before trading futures, please read the [CFTC Risk Disclosure](#). For a copy visit your local Interactive Brokers Website.

Security futures involve a high degree of risk and are not suitable for all investors. The amount you may lose may be greater than your initial investment. Before trading security futures, please read the [Security Futures Risk Disclosure Statement](#). For a visit copy your local Interactive Brokers Website.

There is a substantial risk of loss in foreign exchange trading. The settlement date of foreign exchange trades can vary due to time zone differences and bank holidays. When trading across foreign exchange markets, this may necessitate borrowing funds to settle foreign exchange trades. The interest rate on borrowed funds must be considered when computing the cost of trades across multiple markets.

The Order types available through Interactive Brokers Trader Workstation are designed to help you limit your loss and/or lock in a profit. Market conditions and other factors may affect execution. In general, orders guarantee a fill or guarantee a price, but not both. In extreme market conditions, an order may either be executed at a different price than anticipated or may not be filled in the marketplace.

There is a substantial risk of loss in trading futures and options. Past performance is not indicative of future results.

Any stock, options or futures symbols displayed are for illustrative purposes only and are not intended to portray recommendations.

IRS Circular 230 Notice: These statements are provided for information purposes only, are not intended to constitute tax advice which may be relied upon to avoid penalties under any federal, state, local or other tax statutes or regulations, and do not resolve any tax issues in your favor.

Interactive Brokers LLC is a member of NYSE FINRA SIPC

Interactive Brokers Canada Inc - Is a member of the Canadian Investment Regulatory Organization (CIRO) and Member - Canadian Investor Protection Fund

Interactive Brokers (U.K.) Limited is authorised and regulated by the Financial Conduct Authority. FCA Register Entry Number 208159

Interactive Brokers Ireland Limited is regulated by the Central Bank of Ireland. CBI, reference number C423427

Interactive Brokers Australia Pty. Ltd. - ABN 98 166 929 568 is licensed and regulated by the Australian Securities and Investments Commission AFSL: 453554

Interactive Brokers Singapore Pte. Ltd. - Is licensed and regulated by the Monetary Authority of Singapore. MAS, Licence No. CMS100917

Interactive Brokers Hong Kong Limited is regulated by the Hong Kong Securities and Futures Commission, and is a member of the SEHK and the HKFE

Interactive Brokers India Pvt. Ltd. member: NSE, BSE, SEBI. Regn. No. SEBI Registration No. INZ000217730; NSDL: IN-DP-NSDL-301-2008



Nasdaq-100[®] Derby: Leaders & Laggards in 2025

IBKR Webinar

May 21, 2025

Index Options

Kevin.Davitt@nasdaq.com

Disclaimers

Index

Nasdaq® is a registered trademark of Nasdaq, Inc. The information contained above is provided for informational and educational purposes only, and nothing contained herein should be construed as investment advice, either on behalf of a particular security or an overall investment strategy. Neither Nasdaq, Inc. nor any of its affiliates makes any recommendation to buy or sell any security or any representation about the financial condition of any company. Statements regarding Nasdaq-listed companies or Nasdaq proprietary indexes are not guarantees of future performance. Actual results may differ materially from those expressed or implied. Past performance is not indicative of future results. Investors should undertake their own due diligence and carefully evaluate companies before investing. ADVICE FROM A SECURITIES PROFESSIONAL IS STRONGLY ADVISED.

Options

For the sake of simplicity, the examples included do not take into consideration commissions and other transaction fees, tax considerations, or margin requirements, which are factors that may significantly affect the economic consequences of a given strategy. An investor should review transaction costs, margin requirements and tax considerations with a broker and tax advisor before entering into any options strategy.

Options involve risk and are not suitable for everyone. Prior to buying or selling an option, a person must receive a copy of Characteristics and Risks of Standardized Options. Copies may be obtained from your broker, one of the exchanges or The Options Clearing Corporation, One North Wacker Drive, Suite 500, Chicago, IL 60606 or call 1-888-OPTIONS or visit www.888options.com.

Any strategies discussed, including examples using actual securities and price data, are strictly for illustrative and education purposes and are not to be construed as an endorsement, recommendation or solicitation to buy or sell securities.



NDX® Drawdowns (10Y Lookback)

Any stock, options or futures symbols displayed are for illustrative purposes only and are not intended to portray recommendations, or an invitation or inducement to trade a particular financial instrument or to engage in an investment activity. There is a substantial risk of loss in trading futures and options. Past performance is not indicative of future results.



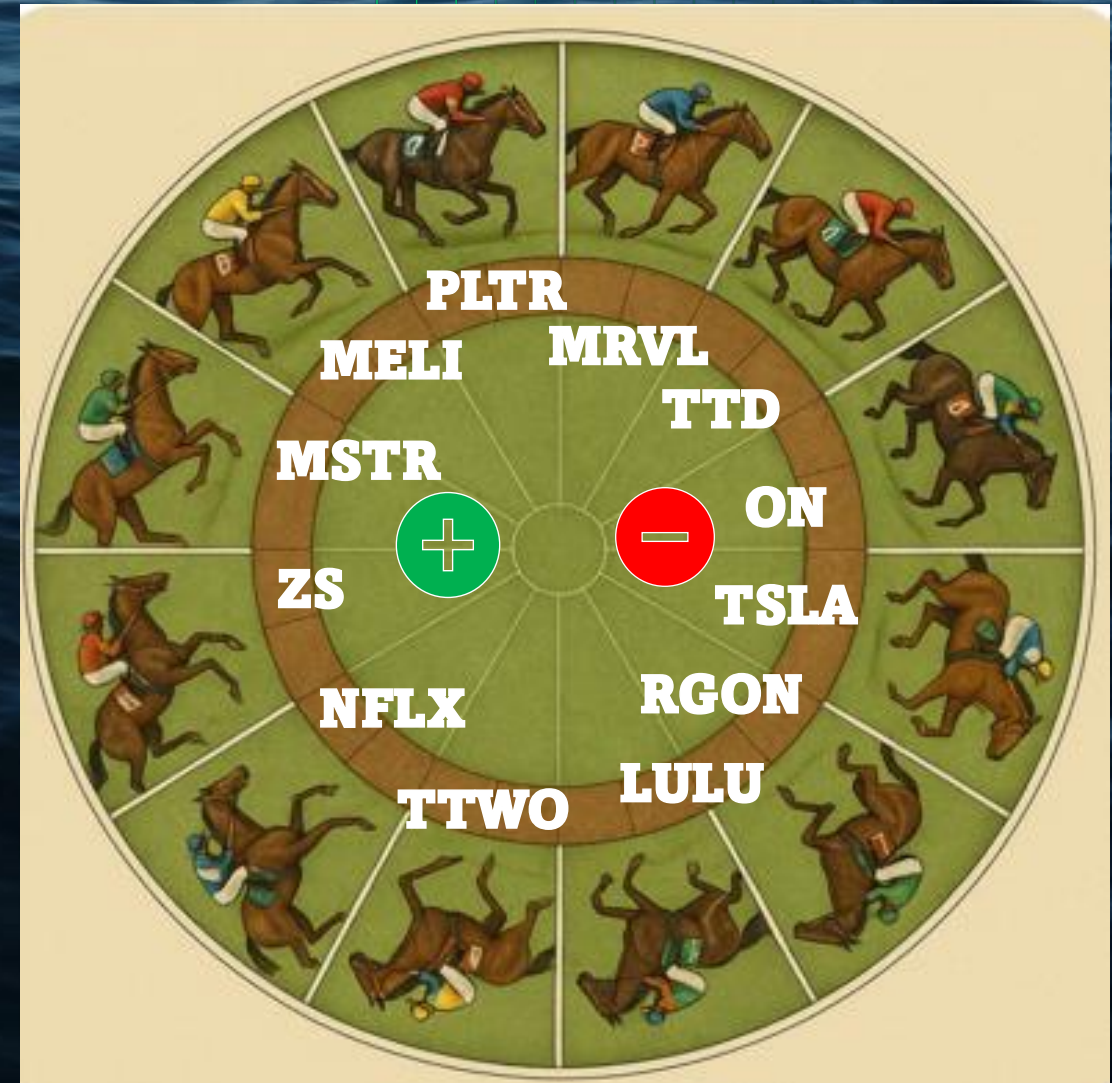
Introduction

2025 So Far

- NDX® -4.2% YTD*
 - 56 gainers (+11.02% avg)
 - 45 losers (-13.24% avg)
- Sector Leaders:
 - Utilities +16.94%
 - Materials +8.49%
 - Consumer Staples +4.34%
- Sector Laggards:
 - Energy -12.86%
 - Consumer Discretionary -10.22%
 - Information Technology -5.98%

Leaders

Laggards



Source: Bloomberg As of 5/12/2025*

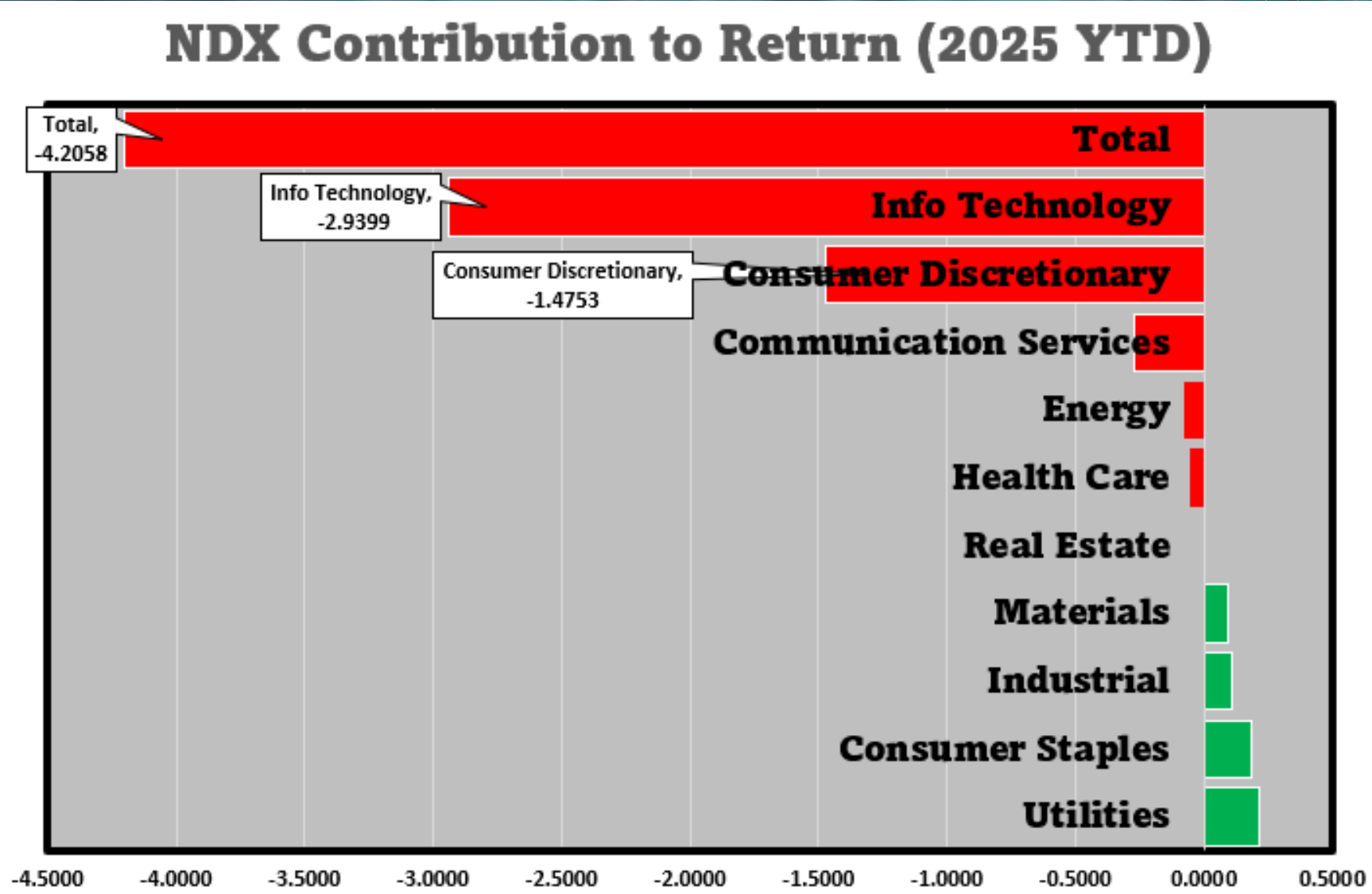


Any stock, options or futures symbols displayed are for illustrative purposes only and are not intended to portray recommendations, or an invitation or inducement to trade a particular financial instrument or to engage in an investment activity. There is a substantial risk of loss in trading futures and options. Past performance is not indicative of future results.

2025 YTD

Sector Push & Pull

Any stock, options or futures symbols displayed are for illustrative purposes only and are not intended to portray recommendations, or an invitation or inducement to trade a particular financial instrument or to engage in an investment activity. There is a substantial risk of loss in trading futures and options. Past performance is not indicative of future results.



2024 Review

Any stock, options or futures symbols displayed are for illustrative purposes only and are not intended to portray recommendations, or an invitation or inducement to trade a particular financial instrument or to engage in an investment activity. There is a substantial risk of loss in trading futures and options. Past performance is not indicative of future results.

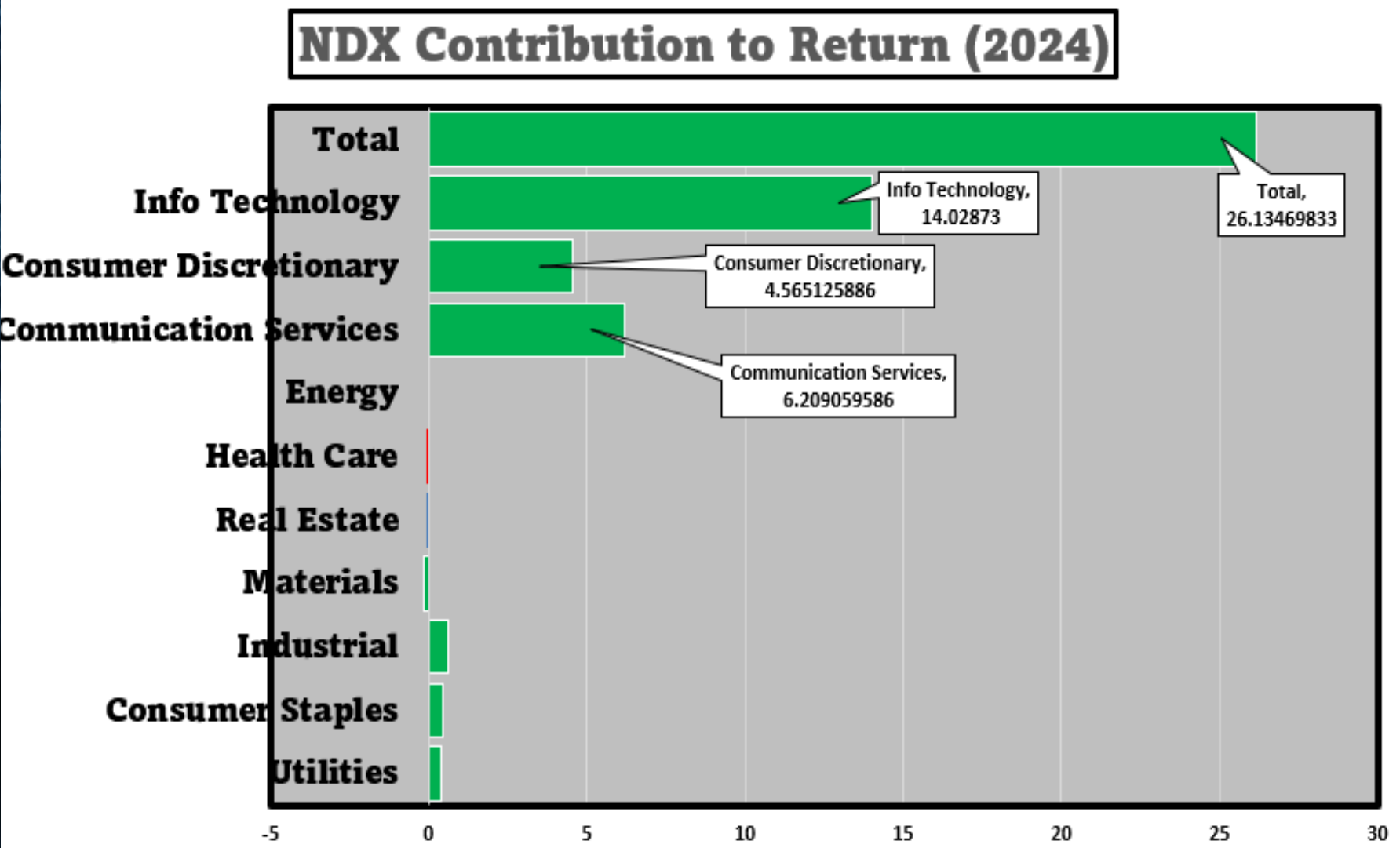
- NDX® +26.13% Full Year:
 - 71 gainers
 - 31 losers
- Sector Leaders:
 - Information Technology + +27.88%
 - Communication Services +41.66%
 - Consumer Discretionary +34.93%
- Sector Laggards:
 - Health Care -1.76%
 - Materials -9.35%
 - Real Estate -18.08%

- GICS vs. ICB View
 - Broke out Communication Services
 - NDX = Ex-Financials
- Sector Contribution:
 - Information Technology + +13.84%
 - Communication Services +6.21%
 - Consumer Discretionary +4.57%
- Sector Contribution:
 - Health Care -0.003%
 - Materials -0.16%
 - Real Estate -0.05%

2024 Full Year

2024 Full Year Sector Push & Pull

Any stock, options or futures symbols displayed are for illustrative purposes only and are not intended to portray recommendations, or an invitation or inducement to trade a particular financial instrument or to engage in an investment activity. There is a substantial risk of loss in trading futures and options. Past performance is not indicative of future results.



ICB Groups
Comm.
Services
w/Tech



2024 Leaders & Laggards

- NDX® Leaders (2024)

- NVDA +171.25%
- AVGO +110.43%
- CEG +99.73%
- **MVRL +83.78%**
- NFLX +83.07%
- **TTD +63.33%**
- **TSLA +62.53%**

- NDX® Laggards (2024)

- MRNA -60.19% 
- INTC -59.55%
- SMCI -58.79% 
- WBA -55.61%
- DLTR -53.16%
- SIRI -50.13%
- MDB -43.05%

Any stock, options or futures symbols displayed are for illustrative purposes only and are not intended to portray recommendations, or an invitation or inducement to trade a particular financial instrument or to engage in an investment activity. There is a substantial risk of loss in trading futures and options. Past performance is not indicative of future results.

Interesting to note how many of 2024's
constituent leaders are bottom performers
YTD in 2025.

2022 Leaders & Laggards

- NDX® Sector “Leaders” (2022)
 - Utilities +15%
 - Energy +3.54%
 - Real Estate +0.16%
 - No other + sectors

- NDX® “Leaders” (2022)
 - T-Mobile
 - Amgen
 - Gilead
 - PepsiCo
 - Vertex Pharma
 - PDD Holdings
 - O’Reilly Auto

Any stock, options or futures symbols displayed are for illustrative purposes only and are not intended to portray recommendations, or an invitation or inducement to trade a particular financial instrument or to engage in an investment activity. There is a substantial risk of loss in trading futures and options. Past performance is not indicative of future results.

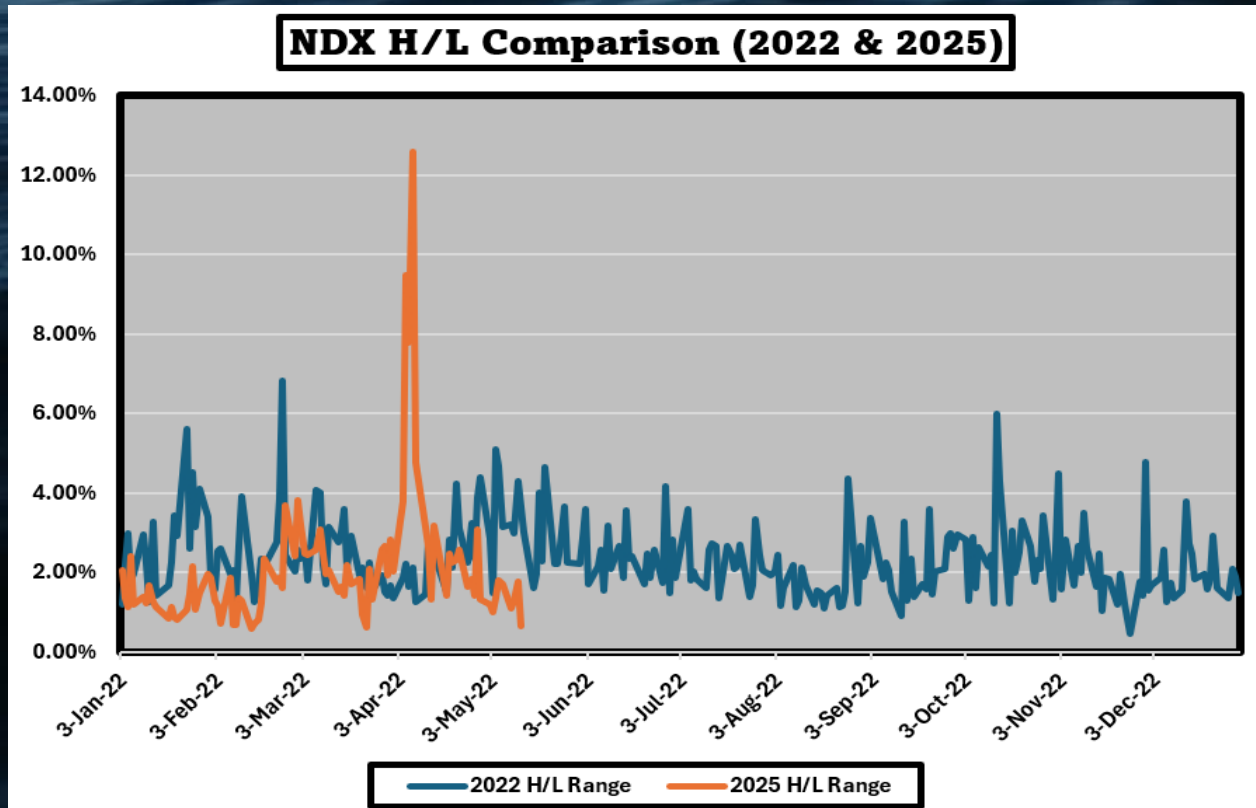
The aggregate contribution to return (CTR) for +
sectors in 2022 = +13 basis points.
Compared to AMZN 2022 CTR = -358 basis points

Glass Half Empty

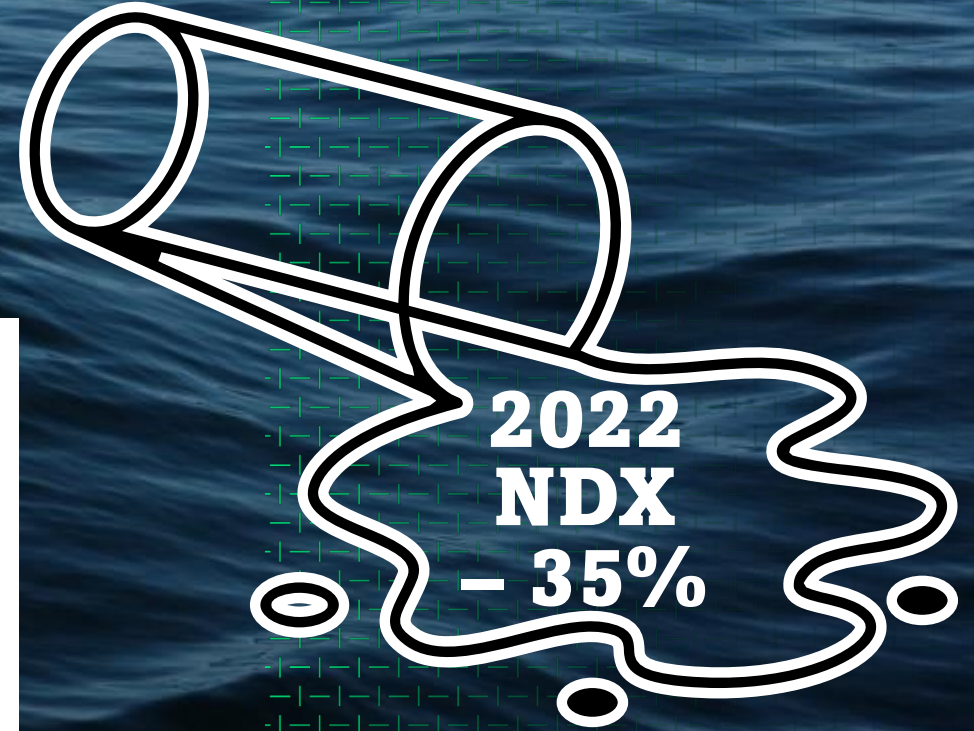
2025 vs. 2022: Compare/Contrast

- If Utilities Lead... Do Markets Fall?
 - Similar Macro Vol (C/C & Intraday)
 - Different Inflation/Rates backdrop

Any stock, options or futures symbols displayed are for illustrative purposes only and are not intended to portray recommendations, or an invitation or inducement to trade a particular financial instrument or to engage in an investment activity. There is a substantial risk of loss in trading futures and options. Past performance is not indicative of future results.



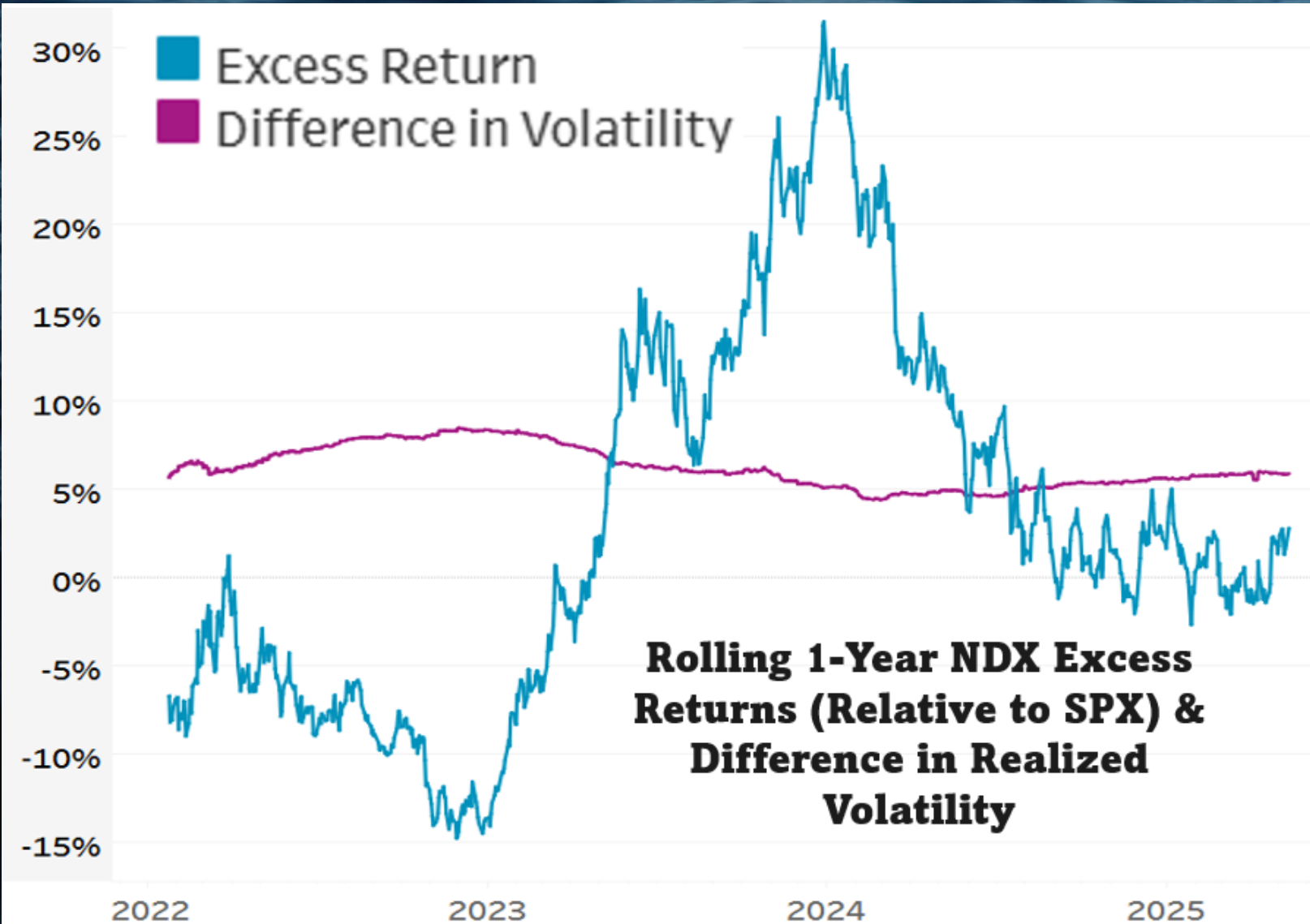
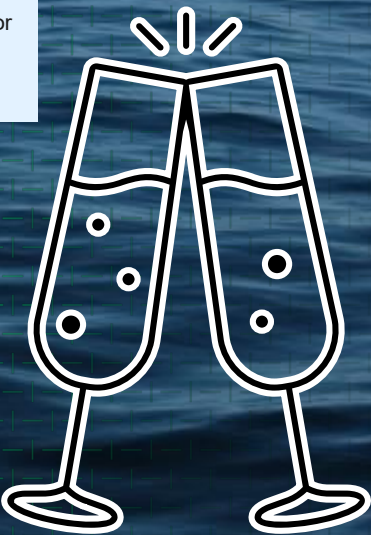
Source: Nasdaq Index Options



- 2025 2022
- C/C = +/-1.4% C/C = +/-1.64%
- H/L = +/-2.07% H/L = +/-2.37%

2025 vs. 2022: Compare/Contrast

Any stock, options or futures symbols displayed are for illustrative purposes only and are not intended to portray recommendations, or an invitation or inducement to trade a particular financial instrument or to engage in an investment activity. There is a substantial risk of loss in trading futures and options. Past performance is not indicative of future results.



Annual Volatility

2020	36.60%	34.69%
2021	18.57%	13.11%
2022	32.52%	24.19%
2023	18.08%	13.08%
2024	18.25%	12.67%
2025	33.83%	27.37%

Long & Short of High Vol Period

Any stock, options or futures symbols displayed are for illustrative purposes only and are not intended to portray recommendations, or an invitation or inducement to trade a particular financial instrument or to engage in an investment activity. There is a substantial risk of loss in trading futures and options. Past performance is not indicative of future results.

Source: LiveVol Pro

*NDX	NDX(AM) May16 20,100.00 C	46	71.60	PHLX	MultLegFir	68.50 x 73.00
*NDX	NDX(AM) Dec19 15,000.00 P	46	806.40	PHLX	MultLegFir	803.40 x 815.50

- April 9, 2025:
 - NDX® = 17,337
 - VXN ~41
 - 57% of NDX® volumes in expiring options (on date)
 - Interesting positioning using longer-dated options



- Buyer of May 16 20,100 C:
 - ~12 Delta
 - Paid 71.60
- Seller of Dec 19 15,000 P:
 - ~18 Delta
 - Collects 806.40
- Absent other exposure ~30 delta long exposure, collecting \$734.8/spread; short vega

Long & Short of High Vol Period

Any stock, options or futures symbols displayed are for illustrative purposes only and are not intended to portray recommendations, or an invitation or inducement to trade a particular financial instrument or to engage in an investment activity. There is a substantial risk of loss in trading futures and options. Past performance is not indicative of future results.

Source: LiveVol Pro


5 weeks later:
NDX® = 21,300
VXN = 22

**May 16 20,100 C worth
~1,200 points**
**Dec 19 15,000 P worth
~159 points**

- Position Capitalizes on:
 - Short vega expression
 - Directional exposure
 - Time decay

- High Class Decision:
 - May C cash settles
 - No underlying exposure
 - ~\$120,000 more into account*
 - Collected ~\$80,640 at execution
 - Residual—P worth ~\$15,900

Multiple leg strategies, including straddles and spreads, will incur multiple transaction costs.

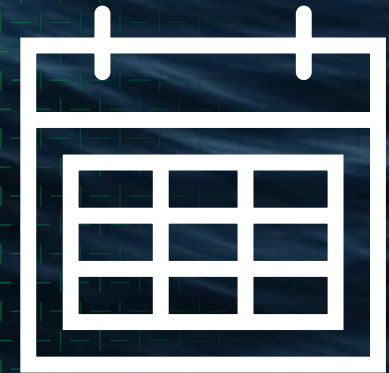
 *Depends on Index Settlement Value - example assumes 21,300 likely to change

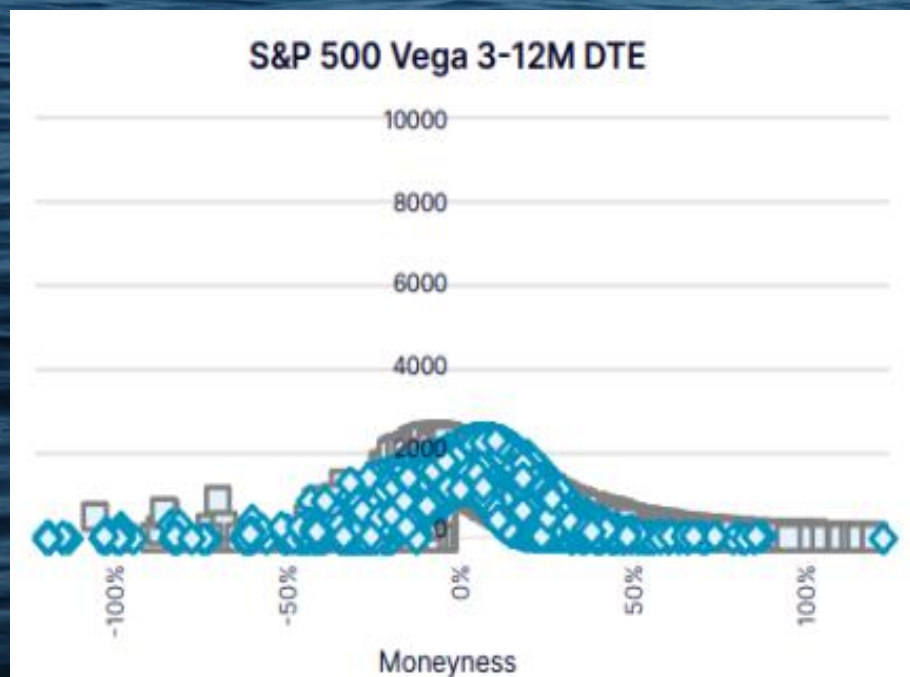
Learning Opportunity

- The increased availability of expiries has led to volume boom in near term options:
 - Potential to monetize quickly
 - Liquid, relatively low premiums
- Interesting opportunities can exist further out in time where vega/volatility plays a more significant role:
 - The small delta puts in example had ~70 vega at execution

- NDX index options[®] have significantly > vega exposure than similar Index options:
 - High notional value
 - Slightly higher baseline IV

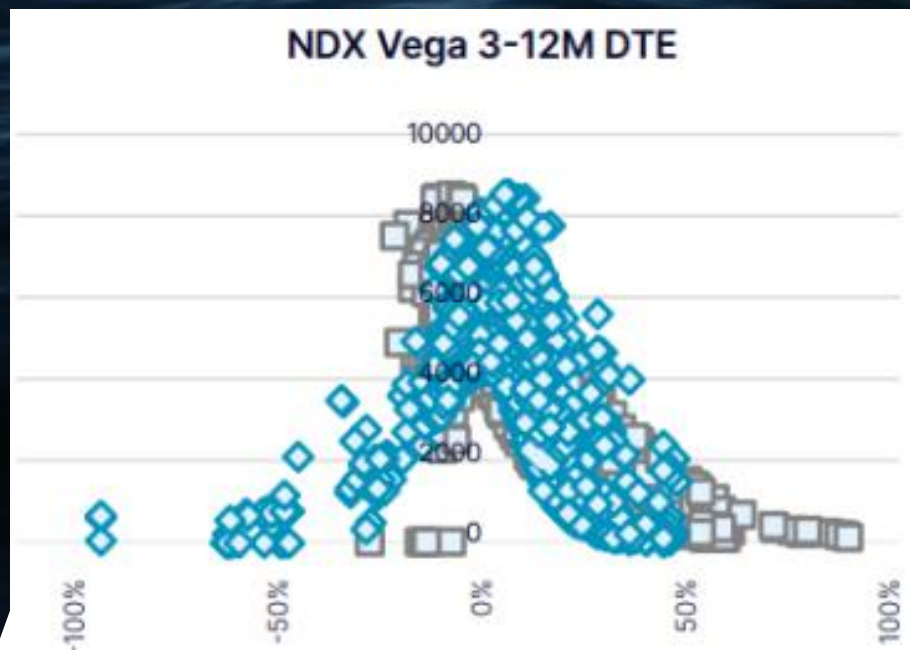
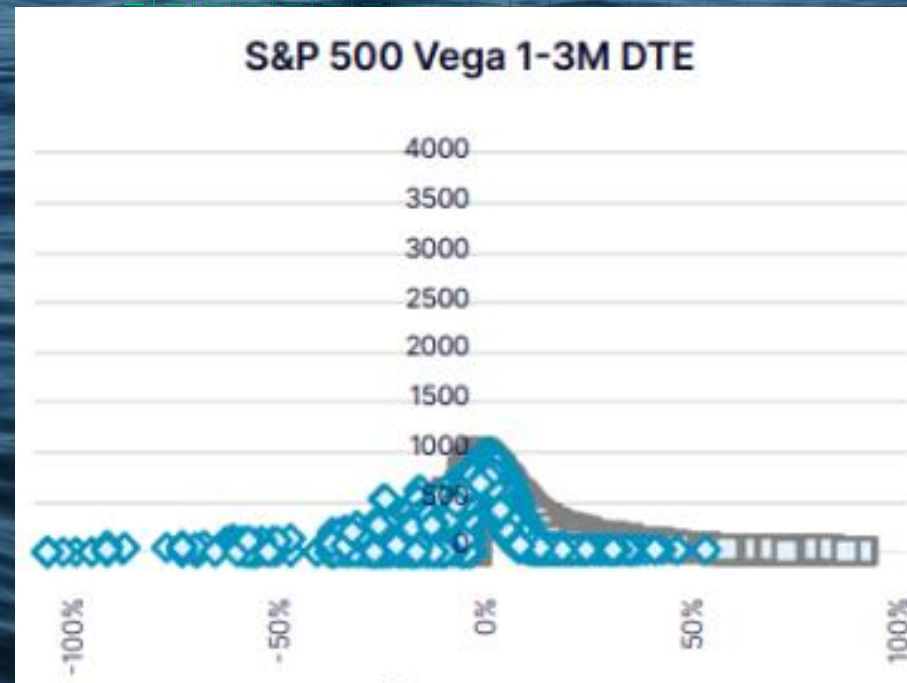
Any stock, options or futures symbols displayed are for illustrative purposes only and are not intended to portray recommendations, or an invitation or inducement to trade a particular financial instrument or to engage in an investment activity. There is a substantial risk of loss in trading futures and options. Past performance is not indicative of future results.





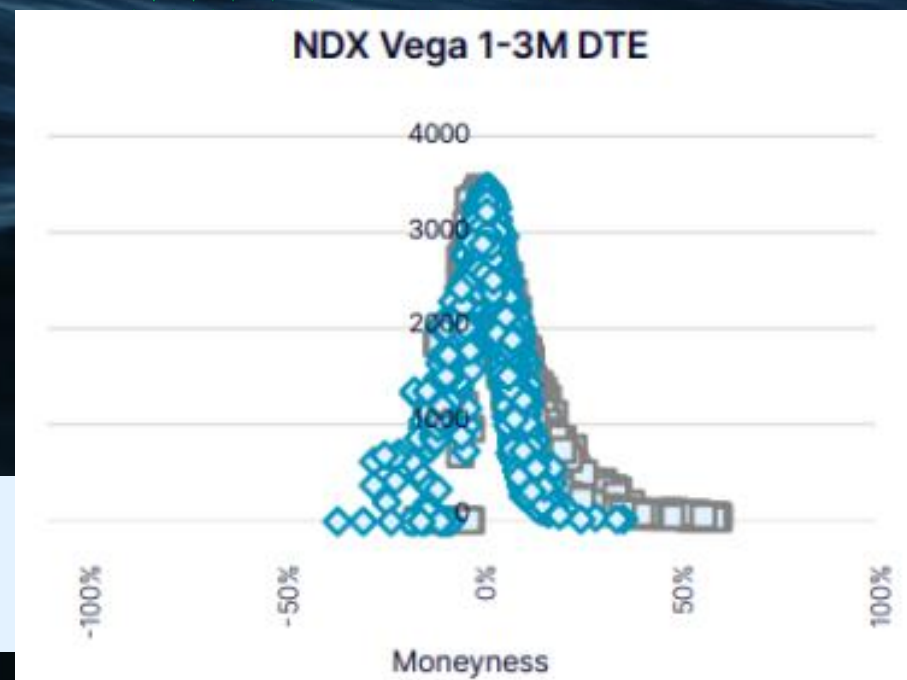
Vega Exposure NDX® & SPX

Executed options
trades from
December 2024



~Triple avg. vega
in NDX® (1–3-
month tenors)
~4x avg. vega in
NDX® (3–12-
month tenors)

Any stock, options or futures symbols displayed are for illustrative purposes only and are not intended to portray recommendations, or an invitation or inducement to trade a particular financial instrument or to engage in an investment activity. There is a substantial risk of loss in trading futures and options. Past performance is not indicative of future results.



Hypothetical Portfolio Protection

Any stock, options or futures symbols displayed are for illustrative purposes only and are not intended to portray recommendations, or an invitation or inducement to trade a particular financial instrument or to engage in an investment activity. There is a substantial risk of loss in trading futures and options. Past performance is not indicative of future results.

- May 15, 2025

- NDX Index = 21,300
- VXN ~22 (relatively low)
- Long Dated Put Butterfly
- Defined Risk/Reward in event markets move back towards lows into year end.



- Buyer of Dec 19th 18,500 p
 - Paid 506.5 (x1)
- Seller of Dec 19th 17,000 P
 - Collects 310 (x2)
- Buyer of Dec 19th 15,500 p
 - Paid 190.5 (x1)

- Long Dec 19th 1,500 pt wide put fly for ~78 pts.

- Max risk = \$7800 + frictional

- Max Value = \$150,000
 - Vs. ~\$7800 Fly cost
 - Risk/Reward Ratio: ~19:1

- Same expression in XND ~1:100th
Risk and reward reduced



×

Buy Order

🔍

⋮

NDX Dec18 15500/17000/18500 Butterfly Put

78.9

Mid

Ask

1 x 83.80

Bid

1 x 73.90

🕒 AM

Spread

9.90 (11.814%)

Market Implied

Probability of Profit: 14%

ⓘ

Market Data

Return/Risk

16.56

SPX Delta

-12.536

Max Return

137,914

Max Loss

8,330

Break Even

15,585.44, 18,414.56 --

Commission

--

Commission%

--

Margin Impact

0.00

MinInvest

8330.00

The Greeks

Delta

-2.648

Gamma

0.001

Theta

3.308

Preset partially applied

Account

U2626284

Buying Power

34.3K

Position

0

Quantity

1

—

+

▼

Order Type

Limit

▼

»»

Slide To Buy

Preview

Multiple leg strategies, including straddles and spreads, will incur multiple transaction costs.

Affords ~Year End Portfolio Protection between -15% & -27%.

\$7800 “policy” pays out ~\$150k

With NDX down 20% (reference 21.3k).

Source: IBKR Mobile Platform (5/14/2025)

×

Buy Order

🔍

⋮

NDX Dec18 15500/17000/18500 Butterfly Put

78.9

Mid

Ask

1 x 83.80

Bid

1 x 73.90

🕒 AM

Spread

9.90 (11.814%)

⌵ Legs

3

1. Buy 1 Dec18'25 18500 Put (100)

2. Sell 2 Dec18'25 17000 Put (100)

3. Buy 1 Dec18'25 15500 Put (100)

⌵ Performance Details

Performance Profile

ⓘ

Max Loss

8,330

Break Even

15,585.44, 18,414.56

Max Return

137,914

Any stock, options or futures symbols displayed are for illustrative purposes only and are not intended to portray recommendations, or an invitation or inducement to trade a particular financial instrument or to engage in an investment activity. There is a substantial risk of loss in trading futures and options. Past performance is not indicative of future results.

×

Buy Order

🔍

⋮

NDX Dec18 15500/17000/18500 Butterfly Put

78.9

Mid

Ask

1 x 83.80

Bid

1 x 73.90

🕒 AM

Spread

9.90 (11.814%)

Max Move

30%

Last Trade Date

Dec18'25

As of 8:54 AM

Refresh

P&L

Delta

Gamma

Vega

Theta

Rho

Price: 16,550.46

P&L Target: 116,145.89

P&L: 14,568.81

Scenario

-30%

-20%

-10%

Underlying

14,853

16,975

19,097

21,219

P&L

-5212.97

99705.46

-8305.84

-8305.84

Delta

0.18

-0.77

0.00

0.00

Gamma

0.00

0.00

0.00

0.00

Vega

2.53

-4.18

0.02

0.02

Theta

-29.21

37.87

-0.04

-0.04



RETURNS OVER THE LAST 40 YEARS

The Nasdaq 100 has averaged **13.7% annual returns** since 1985



Any stock, options or futures symbols displayed are for illustrative purposes only and are not intended to portray recommendations, or an invitation or inducement to trade a particular financial instrument or to engage in an investment activity. There is a substantial risk of loss in trading futures and options. Past performance is not indicative of future results.

Source: Nasdaq Index Research

