

A Complete Guide to Our Platform

Introduction to the Charting System

Our platform has been built to give you the most accurate and visually clear trading experience possible. Our charting system uses **L0 historical data** to ensure high accuracy in every single price movement. To make this data easy to read, we use **lightweight charts** for a better, smoother visual representation.

We believe in giving you full control over your analysis. Because of this, our charting system allows you to add as many indicators as you want to test how your strategy performs, without ever needing to upgrade your membership plan. Plus, you have full access to **10 years of historical data** to test your ideas across multiple market cycles.

Strategy Creation and Real-World Testing

Creating a strategy on our platform is simple and flexible. You can bring your own Pine Script code, or if you do not know how to code, you can use our top-of-the-line, industry-standard AI to turn your thoughts into a complete working strategy.

Once your code or idea is uploaded, you will see a visual representation of your strategy directly on the application. We also provide multiple equity curves that show how your strategy performs in real-world scenarios.

A major mistake that beginners make is ignoring the hidden costs of trading. Our platform fixes this by comparing your strategy against a simple "buy and hold" approach, while also factoring in real-world commissions and slippage. This ensures your strategy does not completely break under real-world pressure.

Easy Parameter Tweaking

If you are not code-savvy, you do not need to worry. We offer top-of-the-line parameter tweaking options. You can easily change:

- Every single parameter of your strategy.
- Take-profit amounts and stop-loss levels.
- Specific indicator values.
- Trading times and session hours.

This completely eliminates the need to work with code. However, if you *are* willing to code, we provide full options for you to tweak both the Pine Script version and the Python version of your strategy.

The Statistical Engine: Testing for True Success

After you finish tweaking your strategy, it goes through our advanced statistical engine. This engine breaks your strategy down into specific tests to see if it actually works, or if it just got lucky.

Part 1: Pre-Screening Part (In-Sample Permutation)

Before a strategy is fully trusted, it must pass the Pre-Screening Part. During this phase, we take a sample of sufficient trades taken by the strategy to see how it performs in the market. To truly test this, we build a fake market to test your strategy against:

- The system uses math to chop the real price chart into tiny pieces.
- It separates the overnight market gaps from the normal daily price movements.
- It then shuffles these pieces and glues them back together to build brand new, fake price charts.
- The system compares your real strategy's profit to the fake market's profit across many simulated runs.
- It uses a scorecard to calculate a final P-Value.
- The P-Value tells you the probability that a completely fake, randomized market could beat your real strategy.
- If the P-Value is high, it means your strategy is likely just lucky and not mathematically special.

If your strategy fails this pre-screening test, you can easily go back and tweak it before moving forward.

Part 2: Parameter Sensitivity Check

Once the strategy is evaluated against the fake market, we move to the Parameter Sensitivity Check. In this step, we test the core strength of your idea by changing the parameters of the strategy to see if the equity curve completely crumbles. A strong strategy should survive minor parameter changes.

Part 3: Noise Slippage Check

After the sensitivity check, we run a Noise Slippage Check. Here, we inject extra noise into the data to see if the additional chaos destroys the strategy's edge. This ensures your strategy can survive messy, real-world trading conditions.

Part 4: The Walk Forward Permutation Test

The Walk Forward Permutation Test is the closest simulation to actual, live trading. Because of this, we only run it when we are highly confident in your strategy.

The Pre-Check Gate:

Before the Walk Forward test even begins, your strategy must pass a strict gate: it must have a Profit Factor of at least 1.1. If it does not meet this score, the system will not run the test because it would be pointless.

A Warning on Retesting:

You should never run the Walk Forward test multiple times just to increase your Profit Factor score. If you keep testing and tweaking based on these final results, you are essentially training your system to memorize that specific chunk of data. This turns "out-of-sample" data into "in-sample" data, which completely ruins the validity of the test and guarantees the strategy will fail in the real world.

Once your strategy passes the 1.1 gate, here is a summary of how the advanced Walk Forward test works:

- The system calculates the exact future return for every single hour in the dataset before it even tests the strategy.
- Instead of testing all the data at once, it trains the strategy rules on a specific block of past data and generates trading signals for just the very next day.
- It then rolls the mathematical window forward by a single step, drops the oldest day of data, and recalculates the strategy completely from scratch.
- It calculates exact profits by multiplying the trading signal by the forward market return.
- Finally, it forces this entire rolling math engine to run on the scrambled, fake market data to generate a final P-Value.
- This proves without a doubt if your strategy is genuinely robust or just getting lucky.