

About Samurai Data Analytics

Samurai is an innovative alternative data and intelligence solution for the capital markets. By leveraging AI and machine learning against alternative data sets, our unique solutions empower our clients to better define risks, identify opportunities, and most importantly, generate outsized returns.

Unlike most firms, we have developed our solutions from the ground up with traders and market participants in mind. With multiple latency options available, seamless integration and a highly scalable infrastructure, Samurai is flexible and easily deployable in any environment. Engineered by a sophisticated combination of proprietary methodology and niche industry expertise, our clients benefit from decreased volatility, lower market correlations and unmatched results.

About Samurai Signal™

The Samurai Signal™ was engineered by a team of data scientists, options traders and former market structure experts with 20+ years of experience in equity/options trading, risk analysis, and identifying/tracking institutional trading patterns for corporate issuers. This dynamic signal leverages AI/ML to generate 5-day expected returns for over 3,000 US stocks daily, based upon a proprietary blend of correlation analysis, sophisticated options pricing models, institutional ownership factors and company fundamentals. The end deliverable is a 5-day expected return, as well as 5 additional sub-factors, for each security. This empowers our clients with nearly 20,000 unique data points with which to build and optimize their strategies, each day.

Why Samurai Signal™

When wagering on sports one might consider factors such as team records, various team/individual stats, coach's experience, etc. While certainly worthwhile inputs, they only tell part of the story – the past. Professional sports gamblers understand how to read the market, particularly when it comes to “pricing odds.” This is because odds makers are pricing in the likelihood of a given outcome in the future. Equity trading is not much different. If all one utilizes as inputs are “past results” such as earnings, relative performance, technical analysis and the like, they run the risk of leaving out perhaps the most vital piece – the option market's pricing of expected future outcomes. The Samurai Signal™ exploits this area of the market.

Validating Samurai Signal™

The Samurai Signal™ generates a predicted 5-day return for over 3,000 US equities daily. Results are then binned by these expected returns. While on an individual security basis there can be variability of the actual vs. predicted returns, the overall average of each bin achieves near perfect predictive success. Put another way, for any given security with an expected 5-day return of X, that given security's actual realized return will fall within a normal distribution in regard to all other securities with the same projected return of X, but not necessarily be equal to X. However, the overall average 5-day realized return of a given bin will in fact equal X, providing a unique look into future market performance with the added benefits of diversification, market-timing and risk/hedging analysis.



Coverage

~3,300 US Equities



Delivery

CSV, FTP, S3, API



Latency

EOD, Delayed, Real-time



Factors

Score + 5 sub-factors



Long/Short

Ideation on both



Historic Data

Jan 1, 2010 – Pres.

Samurai Signal™ is the only alternative data solution of its kind, combining both quantitative and qualitative methodologies to produce daily (or intraday) predictive intelligence across multiple sectors. Its multifaceted utility as an alpha-generating tool on both the long and short side, coupled with its risk/hedging capabilities, makes it a vital solution for any trader.

Key Takeaways

- ◆ Expected 5-day returns for over 3,000 US stocks daily
- ◆ Identifies both long & short ideas
- ◆ Uncovers new market-timing opportunities
- ◆ Provides key risk/hedging intelligence
- ◆ 10 years of historical data