



The leading provider of real-time big data analysis in financial services

RavenPack Analytics-as-a-Service

RavenPack Analytics transforms unstructured big data sets, such as traditional and social media, into structured data and indicators to help financial services firms improve their performance.

The product serves to overcome the challenges posed by the characteristics of big data - volume, variety, veracity and velocity - by converting unstructured content into a format that can be more effectively analyzed, manipulated and deployed in financial applications.

Whether the objective is generating more alpha, managing event risk more effectively, cutting false positives in market surveillance or generating trading ideas, RavenPack Analytics can improve performance.

RavenPack's Clients



Asset Management

RavenPack provides granular structured data and indicators that are designed to help investment managers generate superior risk-adjusted returns. The data can be deployed in quantitative applications, or in portfolio construction tools with a discretionary overlay.



Brokerage & Market-Making

RavenPack's real-time event detection capabilities mean clients can create circuit breakers for use in systematic market making and algorithmic execution applications. Discretionary and online brokers can also use RavenPack's sentiment data and indicators to suggest or confirm trading ideas and portfolios.



Research

Independent research firms, sell-side analysts and academics enhance their output by using RavenPack Analytics in their work. The data can be explored in quantitative research to show how to enhance portfolio performance, in fundamental research investigating how traditional factors can be conditioned with sentiment, or controlling for news and social media in academic research.



Risk & Compliance

RavenPack data helps risk managers locate accumulations of risk and volatility, or changes in liquidity - with event-based sentiment serving to identify regime shifts, or indicators triggering alerts at extremes. Event detection also helps condition market abuse alerts and reduce the number of false positives received by surveillance analysts.



Media

Big data analytics provide unique, innovative insights and visualizations which will enhance the traffic to a website or to a particular article. Studies can range from news discovery to event studies and charted sentiment analytics at a company level.



Software Vendors

Providers of financial technology, such as complex event processors, order management systems, automated trading or surveillance solutions can enhance their users' experience and innovator position using RavenPack Analytics.

Cutting Edge Technology

RavenPack's proprietary text analysis technology platform underpins the company's services and solutions. It is both a set of tools and a design philosophy, whose purpose is to gather, collect, and analyze large amounts of information, quickly and accurately, to provide clients with structured data and analysis in real time.

Data is meaningless without context, and RavenPack's technology allows the firm to organize very large data sets coherently and to rapidly perform complex computer calculations, always within specific contexts. This approach enables the acquisition, classification, storage and analysis of unstructured information from almost any type of media or data source.

RavenPack structures data into five key dimensions:

- **Entities** – Systematic detection of global companies, currencies, commodities, financially relevant organisations, positions and key geographical locations when they are mentioned in unstructured data
- **Events** – RavenPack detects when these entities are involved in key scheduled and unexpected corporate, macroeconomic and geopolitical events or themes
- **Relevance** – The technology can differentiate between an entity being involved in an event, and how deeply, or if it's just being mentioned
- **Novelty** – These metrics allow the user to tell, across all data sources, whether a detected event is new, a repeat, or a continuation of a pre-existing event or theme
- **Sentiment** – RavenPack applies both traditional natural language processing and proprietary techniques to determine entity-specific sentiment

Innovative & Extensive Research

RavenPack has the most extensive research program in the industry dedicated to researching the use of unstructured data in financial services. RavenPack's own quantitative research team takes part in all aspects of the business, from product development to sales support. It has produced dozens of papers on the practical applications of RavenPack data and presided over just as many papers by leading sell-side research firms and academics.

About RavenPack

RavenPack is a pioneer in big data analytics for financial services firms. It provides analytics as a service to financial professionals by transforming unstructured content into actionable information in real-time. Since 2003, the company has been at the forefront of data analytics, making its mark in large scale news and social media analysis to help financial professionals make better investment decisions. We have the best performing quantitative hedge funds, asset managers and investment banks as customers.

Customer Service and Support

If you would like further information on RavenPack or any of our products and services, including trials, please contact our sales team at:

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