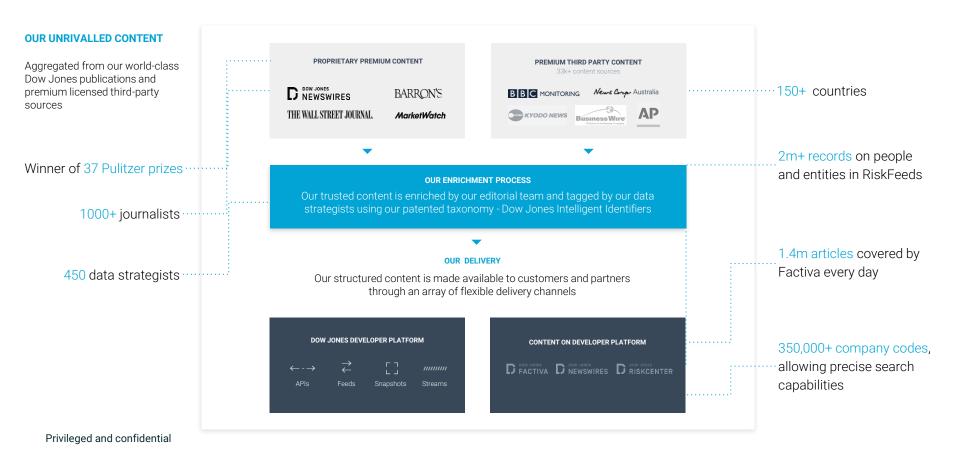


Dow Jones combines expertly-structured, premium content with powerful technology to deliver trusted, high-quality solutions

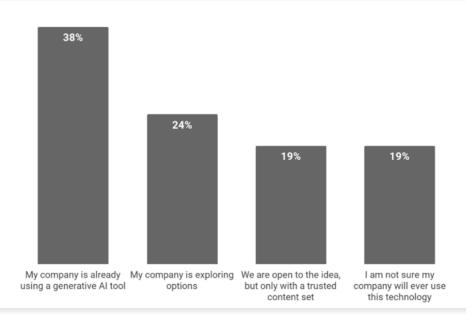


Companies Exploring Generative Al



How willing would you be to adopt a generative AI solution for making your business decisions?

62% are using or exploring using GenAl



Generative AI Meets Generative Litigation

AXIOS



News publishers sue Cohere for copyright and trademark infringement



Wall Street Journal sues Perplexity AI for copyright infringement



Indian media pile into lawsuit against OpenAI chatbot ChatGPT

Microsoft, OpenAI Face Another **Copyright Lawsuit by News Publishers**

By Anita Hamilton (Follow ST SUBSCI April 30, 2024, 3:20 pm EDT











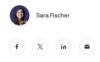






- Flexibility and customization
- Maintaining fresh, relevant Data
- Reducing compliance risks
- Protecting intellectual property
- Fairly compensating publishers

Dow Jones expands Al marketplace to nearly 5,000 publishers





Our Active Investment in Licensing GenAl Rights

DOW JONES FACTIVA

Thousands of sources permissioned for GenAl across 163+ countries and 25+ languages, growing daily.

WSJ

NEWSWIRES







BARRON'S



























































Use Cases - Managing Risks & Identifying Opportunities

Top Use Cases

Market Intelligence

Internal Newsletters

Enterprise Conversational Al

Additional Applications

- Client audits
- Industry reporting
- Search assistance
- Market surveillance
- Identification of customer risks & opportunities
- Financial crime screening
- Adverse media
- Analyzing or predicting market events
- Facilitating account based marketing programs

Predicting & Managing Risks: GenAl Use Cases



Our Context for Today





80 BN+Chat messages every day



300 BN+ emails sent every day



30 BN+ messages per day



2 MM+ articles published every day

Existing Processes Aren't Enough

There is not enough capacity to keep processing all of this information using traditional methods.



300 hours or 30-40 working days

for a credit officer/ analyst to read through all of the current information on a company that is available in the news*

The Cost of Missing a Signal is Too High

wirecard

The ESMA identified a number of shortcomings when assessing Wirecard and recommends that financial institutions "review articles in international newspapers (including online newspapers) in order to add these elements when selecting issuers for examination"



The House of Commons
Treasury Committee Lessons
from Greensill report highlights
the importance of monitoring
the news: "There were
reputational issues around
Greensill. You could read the
newspapers at the time."



Our Hypothesis

News can provide an early warning signal that can predict ahead of the current best alternatives



'CURRENT BEST ALTERNATIVES' ARE:

TOO LATE, TOO SLOW, TOO EXPENSIVE

- Corporate Financial Events
- Credit Rating Agencies
- Teams of Analysts
- Large Data Science Teams

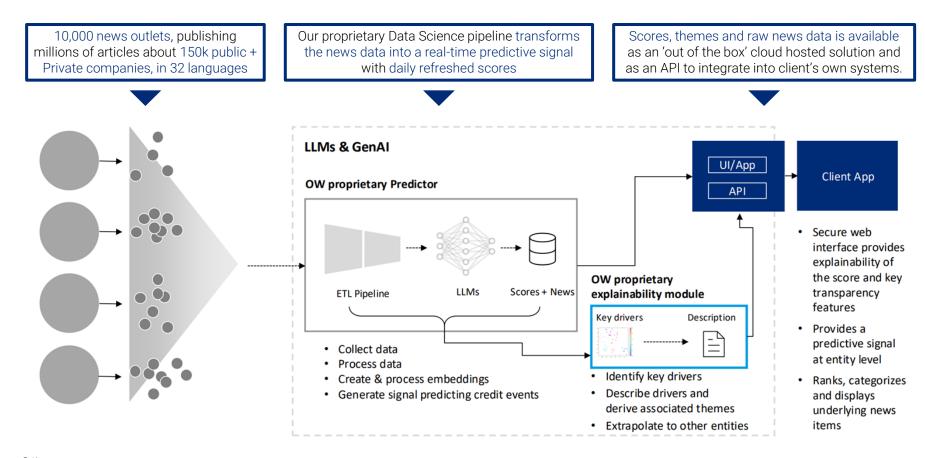


OUR AWARD WINNING SOLUTION IS:

WARNING EARLY, UPDATES DAILY & AFFORDABLE

- Early warning signal at least 3-months ahead
- Global coverage of public and private companies
- 10,000 news sources in 32 languages
- Fully automated data science pipeline
- Starts from US \$2,500 / month

We Trained a Proprietary Model to Predict Risk Events



FSS Scores Indicate the Level of Risk Associated with a Company

Categories provide an indicative view and should be considered in combination with rate of change data

FSS Score Categories

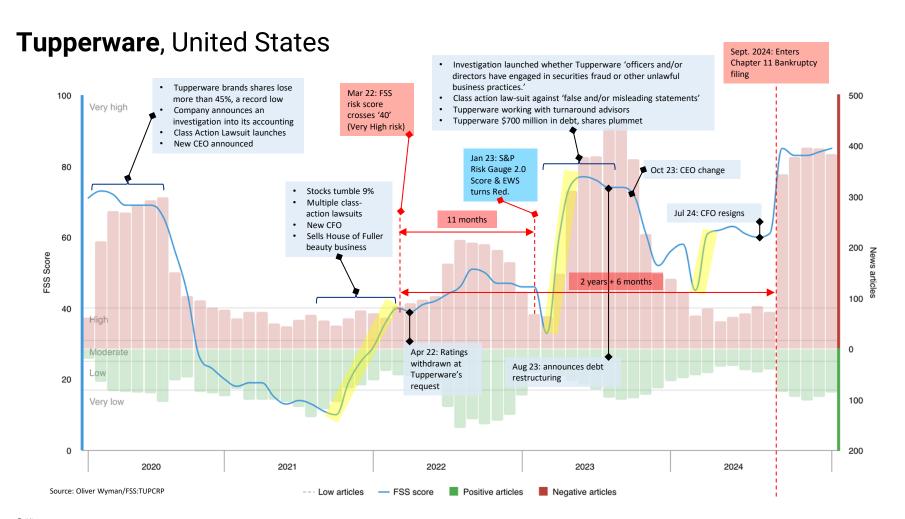
Score Categories are intended to provide an indicative view of Risk for an entity and, to be most effective, should be considered in combination with daily/weekly % change data.

2023 Company Average FSS Score Category				
0-17				
17-25				
25-31				
31-40				
40-100				

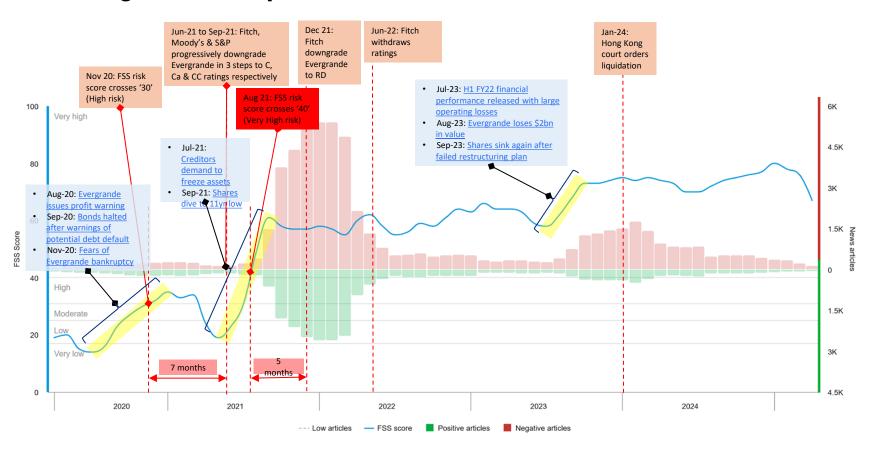
FSS Score Category Calibration

The likelihood of a company experiencing an adverse credit event when their FSS score is in the 'Very Low' category is minimal; however, in extreme examples this can happen.

	2023 Company Average FSS Score Category	Proportion that experienced an adverse Credit Event (rounded)
	Very Low	5%
	Low	10%
	Moderate	20%
	High	30%
	Very High	50%



China Evergrande Group, China



How Clients are Using It

Credit Risk



Make news-based risk monitoring simpler and more effective. Easily Monitor news and market trends to discover and predict risk events faster, enabling a more timely, strategic response

Up-sell/Cross-sell



Identify risk in your counterparties and sell them your solution – advice, insurance, risk mitigations

Investment Management

Supply Chain Risk



Anticipate market-moving risk events that affect portfolios. Surface insights on the credit events that occur before major market shits to improve investment strategies and hone in on patterns



Verify creditworthiness and catch supply chain issues. Effectively assess corporate credit risk in suppliers, partners and customers to boost transparency and ensure operational continuity

Counterparty Intelligence



Easily see and access the news and themes that are trending around your client so you can spot upcoming risk events and cross-sell the solutions your client needs

Market Intelligence

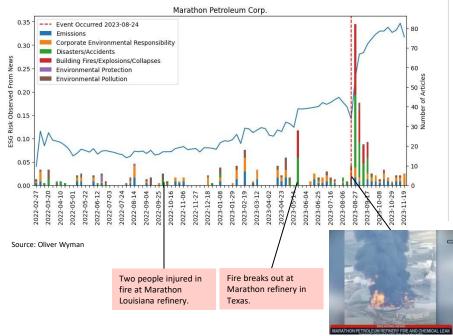


Monitor groups of companies in an industry or a market to see how risks affect peers. See historical averages to spot anomalies faster

Predicting ESG Risk

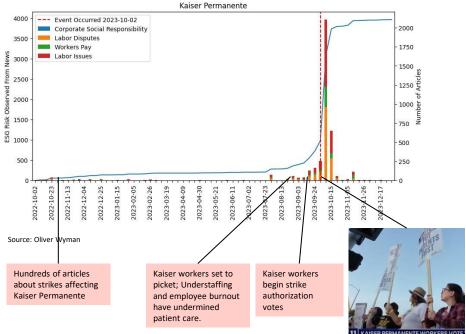


Naphtha tank leaks >8 million lbs of toxic flammable material at Louisiana refinery. 2-mile evacuation order. 96km chemical plume.

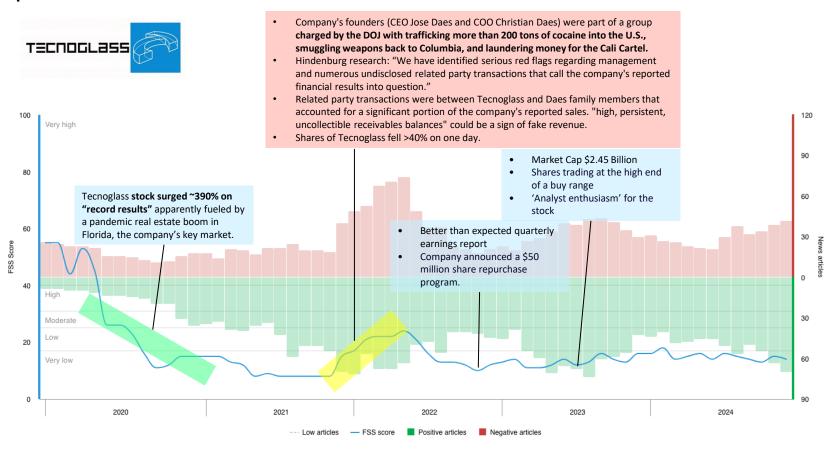




75,000 Kaiser Permanente nurses, pharmacists, lab technicians and other staff strike – the largest healthcare strike in US history



Reputational and Conduct Risk



3 Investment Management

Can FSS pick up on news information faster than the market?

The idea: Can we use FSS to generate alpha?



FSS anticipates adverse events based on real-time news months ahead



FSS reacts very sensitively in particular to material/extreme events



Factiva content very rich, in particular for larger firms

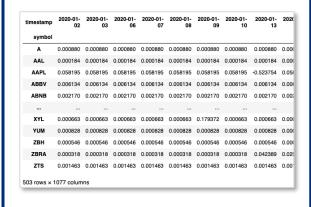


Large amounts of recent data are being processed in an automated fashion



The approach:

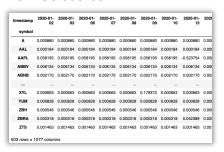
- Construct a portfolio by starting with an index e.g. S&P 500
- 2. Rebalance according to FSS scores



Investment Management

The Test: Running It on a Real Trading Platform

1a. FSS scores



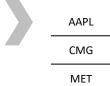
2. Categorize into signals by applying a threshold to scores

3. Size positions / reweight index based on signal, strength and trading parameters

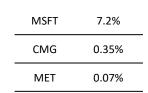
4. Compare to previous portfolio positions, to derive order list

5. Submit order list to broker API













1b. Market-cap weightings of S&P 500 constituents

Company	Symbol	Portfolio%		Price	Chg	% Chg
Microsoft Corp	MSFT	7.29%		425.75	3.85	(0.91%)
Apple Inc.	AAPL	5.96%	+	175.04	-1.51	(-0.85%)
Nvidia Corp	NVDA	5.06%	•	895.55	13.69	(1.55%)
Amazon.com Inc	AMZN	3.96%	•	187.33	1.20	(0.65%)
Meta Platforms, Inc. Class A	META	2.62%	•	515.69	3.78	(0.74%)
Alphabet Inc. Class A	GOOGL	2.16%	•	158.15	0.42	(0.27%)
Alphabet Inc. Class C	GOOG	1.83%	•	159.68	0.49	(0.31%)
Berkshire Hathaway Class B	BRK.B	1.70%		408.13	4.87	(1.21%)
Eli Lilly & Co.	LLY	1.39%		765.48	13.84	(1.84%)

● Investment Management | Results A Profitable Equity Trading Strategy

Strategy details

- The strategy combines momentum in FSS scores, and Credit Benchmark rating changes with market price momentum at name level for S&P 500 constituents, with the latter acting as a 'dampening' factor, to create a composite score
- Weighted positions are then taken in the top-ranked composite scores
- Portfolio rebalancing is executed weekly
- Portfolio backtesting results produce a return of 103.3% for the period April 2020 – August 2024, comparing favourably with 89% return for the S&P 500
- Sharpe ratio of **1.07**, again comparing favourably to typical equity funds and S&P 500 Sharpe
- The fund provides concentrated exposures in large cap (S&P 500 constituents) equities; as such it can replace an existing exposure to S&P 500 equities, enhancing returns for a similar risk profile

*1-year Annualized Sharpe (scaled daily Sharpe)

Back-testing results



103.3% return Sharpe: 1.07Period: 04/2020 - 08/2024

Market Intelligence 2.0: Supercharging Your LLMS to Drive Growth & Efficiency



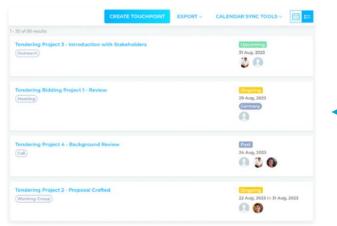
News Events to Qualified Leads for a Global Conglomerate

FACTIVA

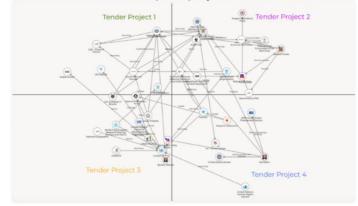
Real time monitoring of media for relevant topics following a news event



Engagement & tracking of leads with Account Managers



Mapping networks to identify stakeholders influencing the project



News Based Signals- Client Specific

Client News

CLIENT NEWS UPDATE

Your client **REA**, has relevant news today.

Article: Rupert Murdoch-owned firm REA Group weighs up bid for Rightmove.

Original article title with link

LLM-Generated Sentiment

Sentiment: -7 Negative

The article discusses a low potential takeover offer from a competitor which is seen negatively.

Debt Issuance: REA Group or Rightmove may require additional financing for a potential acquisition, which could be facilitated through debt issuance.

LLM-Generated product tags alongside a description why it was tagged (LLM-generated)

Currencies: With REA Group being an Australian company and Rightmove being a UK company, currency exchange services may be needed for cross-border transactions or operations.

News Based Signals- Industry Specific

Industry News

INDUSTRY NEWS UPDATE

You have news for the Environment/Waste Management industry.

LLM-Tagged Topic

Original article title and summary

<u>Cadbury factory's chemical problem may have caused River Derwent sewage emergency, documents</u> show [Australian Broadcasting Corporation News]

"The tight price ranges for cattle and mutton indicate a stable market, which could present opportunities for livestock financing. The favorable spring season and firm prices for store cattle also suggest potential for financing livestock operations.

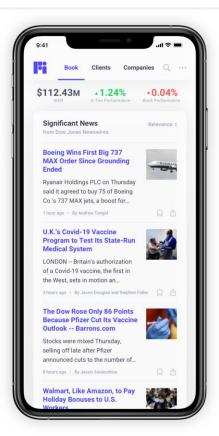
Bin better: why is Newcastle such a dirty city? [The Newcastle Herald]

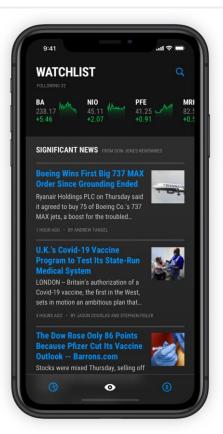
AS a resident of Newcastle since 2024, I have concluded that ours is a dirty city. One only has to look at the natural watercourses and drains that are clogged full of household rubbish and other unwanted items, no doubt dumped by uncaring residents, and even a walk along the many beach promenades - which should be an enjoyable task - has one confronted by overflowing rubbish bins and dog excrement on paths. These problems, in my opinion, point to a council lacking interest.

Personalisation = Engagement

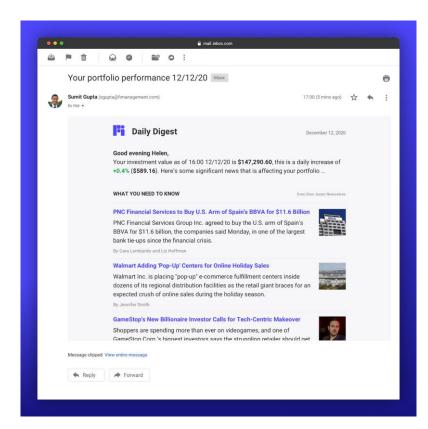
Personalization Recorded as #SmartTag(s)

- 1 Based on Portfolio
 Tagging based on Customer's portfolio holding
- 2 Based on User Behaviour
 Based on what user searches for within the widgets
- 3 User-selected Preference
 Options for users to
 select/modify tags based on their
 preference





Streamline Newsletter Curation and Creation for Scale



Dow Jones in the News

Dow Jones Institutional News • 20:01, 24 February 2025 • 896 words • English

Press Release: Dow Jones to Acquire Dragonfly Intelligence

Press Release: Dow Jones to Acquire Dragonfly Intelligence and Oxford Analytica from FiscalNote

Dow Jones to Acquire Dragonfly Intelligence and Oxford Analytica from FiscalNote PR Newswire NEW YORK, Feb. 24, 2025 NEW YORK, Feb. 24, 2025 /PRNewswire/ — Dow Jones today announced it has agreed to acquire Dragonfly Intelligence, a ...

Dow Jones has agreed to acquire Dragonfly Intelligence and Oxford Analytics from FiscalNote Holdings for \$40 million, enhancing its Risk & Compliance division with geopolitical risk and security intelligence. The acquisition, expected to close in Q1 2025, aligns with Dow Jones's strategy to expand its portfolio of specialized services for business professionals with increasing demand for geopolitical insights.

Editor & Publisher • 23:04, 25 February 2025 • 135 words • English

Dow Jones expands Al marketplace to nearly 5,000 publishers

Dow Jones, the parent company to the Wall Street Journal, has quietly built an AI marketplace for publishers to license their content to corporations, Dow Jones CEO and Wall Street Journal publisher Almar Latour told Axios in an interview ...

Back to top (+)

Competitor News

Mondag Business Briefing • 21 February 2025 • 572 words • English

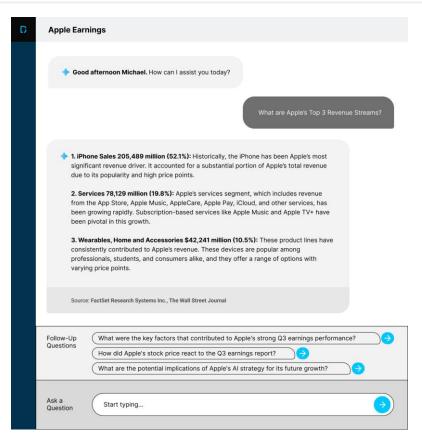
Court Rejects Fair Use Defense In Al Copyright Case

In a landmark ruling, U.S. Circuit Judge Stephanos Bibas of the U.S. District Court for the District of Delaware has rejected Ross Intelligence's fair use defense in its copyright dispute with Thomson Reuters. The case, Thomson Reuters

U.S. Circuit. Judge Stephanos Bibas ruled against Ross Intelligence's fair use defense in its copyright dispute with Thomson Reuters, marking the first U.S. court decision addressing fair use in Al training. The ruling concluded that Ross' use of Thomson Reuters' copyrighted Westlaw headnotes to train its Al model was not fair use, emphasizing potential market harm and the non-transformative, commercial nature of the use.

Superpower your Knowledge Portal/Intranet Chatbots





Leveraging our world-class news content and data assets to build trusted conversational Al experiences for professionals.

What's new?

- Accurate and up to date answers powered by Dow Jones content and data
- Integrations can be personalized and tailored for specific product use cases

Impact

- Encourage product engagement & stickiness
- Unlock additional workflow opportunities

Generating Research Reports & Pitch Books in Minutes!



Client Account Performance

The portfolio began the month with a NAV of \$872,334.53 and ended at \$1,041,936.81. The allocation was 65.91% in cash and 34.09% in stocks. The account returned 19.44% compared to 20.19% for the S&P 500 Index, 11.90% for the EFA Developed Markets Index, and 15.43% for the Total World Stock Index. The portfolio was 100% allocated to the United States. The sector allocation was 65.91% in cash, 25.34% in Consumer Cyclicals, 7.75% in Technology, and 1% in Telecom.

The top performers were AMZN returning 12.50%, USD cash returning 2.81%, AAPL returning 1.60%, CRWD returning 1.06%, and MSFT returning 0.51%. The bottom performers were F, VVNT, SEMR, DIS, and MSFT.

The top news items for the portfolio's holdings include Amazon laying off staff in video divisions, Apple shares hitting lows on demand concerns, Disney winning activist backing, and Ford posting strong auto sales. Broader economic headlines show resilience but also risks from inflation, housing, geopolitics, and earnings. Large Cap Growth stocks, especially Technology, have recently outperformed Small Cap Value and Energy. The portfolio's concentration in Large Cap Tech has benefited short-term performance versus benchmarks but led to diversification concerns. Its lack of Small Cap Value and Energy explains minimal contribution from these lagging areas. While tilt toward Large Cap Growth aided near-term gains, broader diversification could prove prudent given market uncertainty.

Market Outlook

The recent interest rate changes and yield curve inversion have increased recession concerns and volatility, though the implications are nuanced. Markets appear bifurcated with cyclical sectors like energy and financials outperforming while growth stocks underperform amid rising yields. Geopolitical risks also bear monitoring for potential commodity price effects. Overall a cautious, nimble approach to risk assets seems warranted.

- On valuations, US equities appear modestly overvalued based on forward P/E ratios versus historical averages. Cyclical sectors like financials, materials and energy look most undervalued currently.
- Geopolitical risks, especially in the Middle East, are highlighted as a key risk. Supply chain disruptions and their potential impact on inflation and growth are being monitored.
- Central bank messaging has been hawkish lately, leading traders to pare back bets on rate cuts. Recent Fed speakers have urged caution on moving too quickly to cut rates.
- The US and Japanese markets appear relatively strong, while China remains under pressure from growth concerns and capital outflows. Emerging markets also face risks from elections and fiscal challenges.
- The US and Japanese markets appear relatively strong, while China remains underpressure from growth concerns and capital outflows. Emerging markets also face risks from elections and fiscal challenges.

Macro Update

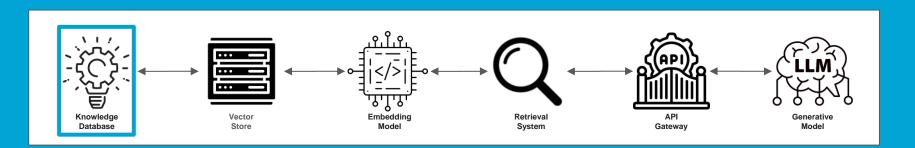
The latest economic data indicates continued strength in the labor market and economic growth, though at a

Key Considerations



Integration into existing LLM pipelines





Knowledge Database

The knowledge repository (Factiva News Archive) from which relevant content is pulled.

Vector Store

 A specialized database for storing and indexing embeddings, enabling efficient search and retrieval of similar data points based on vector proximity.

Embedding Model

 Converts both the user query and database content into vector representations (embeddings) for similarity matching.

Retrieval System

 Retrieves relevant information chunks from a knowledge base or database (e.g., news archive, document store).

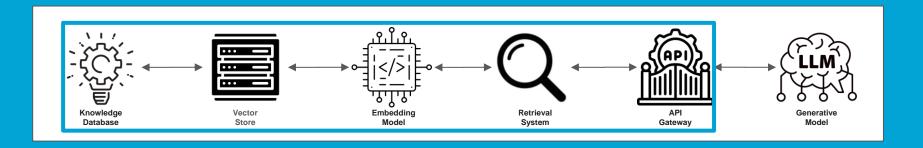
API Gateway

 Manages queries and data flow between components, including the retrieval system, and generative model.

Generative Model

 A large language model (LLM) that takes both the retrieved information and the user query to generate a contextualized, coherent response.

Privileged and confidential



- Designed for ease of integration, no full GenAI stack required
- Pre-processed, relevant content
- On-demand, focused content for efficient access
- Cost-effective data access

What to consider when leveraging news data for AI use cases









Data Accessibility

- Content rights
- Getting past paywalls and captchas

Fake News

- Unreputable sources should be ignored when assessing other companies
- However, fake news will still need to be considered for media engagement strategy

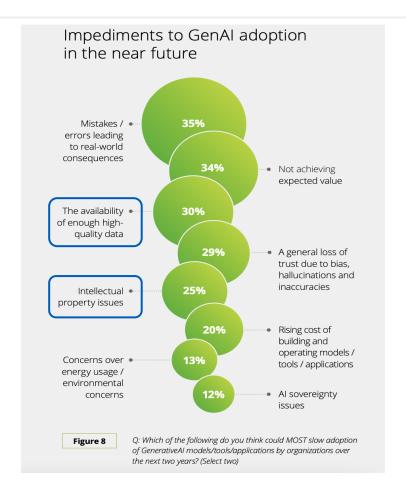
Source Neutrality

- Biased sources may give the wrong impression of companies
- Use multiple news sources to eliminate bias rather than using one source

Resolution on Entities

- How specific can your Al model be?
- For example: can the model tell when the company is getting negative press vs when the CEO of the company is getting negative press for a separate issue?

Impediments to Gen Al Adoption

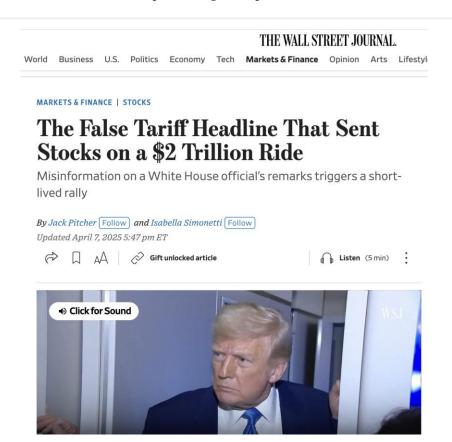


Integration Solutions Purpose Built for Enterprise Applications



	Factiva Analytics	Factiva GenAl Ready Feeds & APIs		
Artificial Intelligence (Non- generative)	~	✓		
Large Language Models (LLMs) for non-generative tasks (Machine data analysis)	✓	✓		
GenAl Use Permitted (New content creation including summarizations)	×	✓		
	~9K+	~4k+		
Sources	WSJ fn DOW JONES NEWSWIRES	BARRON'S IBD		

Where do you get your news from??!!





Trusted News Trusted Analytics







Scan to connect on LinkedIn

Email: sachin.singh@dowjones.com

