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LSEG MarketPsych Text Tagging Engine

A Tagging-as-a-Service platform for financial
text analytics

The LSEG MarketPsych's Text Tagging Engine is a Tagging-as-a-service platform for financial analytics. The Tagging Engine was developed to rapidly process large volumes of unstructured text from financial sources, including news, social media, filings, transcripts, and brokerage research. Clients use the Tagging Engine to generate standardized insights from their unstructured text.

The Tagging Engine identifies and tags millions of entities, thousands of topics and events, and categorizes financial, ESG, and commodities sentiment. The Tagging Engine can be deployed on premises or in the cloud.

Applications

- **Real-Time Nowcasting:**

Feed real-time textual data into our system and receive instantaneous insights, enabling you to make informed decisions quickly.

- **Research Capabilities:**

Efficiently navigate through extensive libraries of documents to identify key relationships between entities, market trends, and thematic developments.

- **Risk Identification:**

Automate detecting and monitoring risks within textual data. Perform KYC and monitor negative news with over 300 risk-related topics and events flagged for millions of entities.

- **ESG Insights:**

With coverage of over 200 ESG topics and a sentiment analysis model fine-tuned for ESG discourse, gain nuanced insights from ESG reports

- **Customer Insight and Engagement:**

Understand client preferences and concerns regarding your financial products and services.

- **Market Sentiment Analysis:**

Input real-time news, analyst reports, and social media feeds to gauge market sentiment.

- **Regulatory Monitoring:**

Analyze regulatory changes with automated monitoring of regulatory texts.

- **Fraud Detection and Prevention:**

Enhance your fraud detection capabilities by analyzing transaction narratives, communication patterns, and reports.

Key Features

- **Entity Recognition:**

Text Tagging Engine's AI-driven Named Entity Recognition (NER) system tags over 20 types of entities, such as companies, products, currencies, bonds, ETFs, commodities, and places. It additionally links over 130,000 of those entities to LSEG's PermID for seamless data integration.

Apple **Org (PermID: 4295905573)** announces new iPhone **Product** in California **Region**

- **Topic and Event Insights:**

Text Tagging Engine covers an extensive profile of 1,000+ topics and 4,000+ events in categories such as finance, environmental issues, politics, law, and technology. Topics are organized in a hierarchical taxonomy for easy navigation.

BYD's new electric model **Topic: EV** will be unveiled **Event: EV-Launch** in August

- **Sentiment and Emotion Analysis:**

Leveraging three fine-tuned roBERTa classifiers, Text Tagging Engine quantifies the sentiment and emotional undertones in text, offering insights into market sentiment, ESG considerations, and commodity market dynamics, along with a spectrum of 10 emotional tones.

Sony's earnings beat analyst expectations.

Financial sentiment: +98%

Analysts are dissatisfied with the company's progress toward climate targets.

Disappointment: +26%, ESG sentiment: -98%

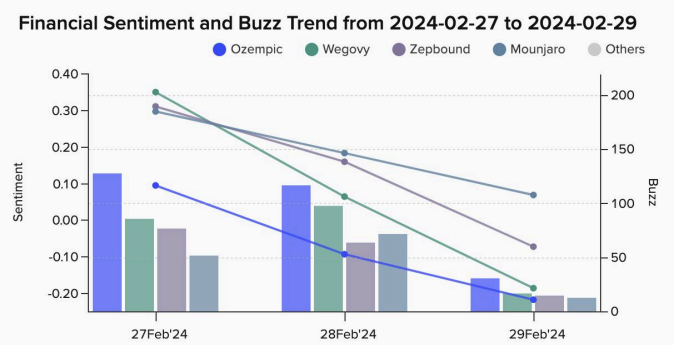


Figure 1: Aggregated product sentiment using Engine output

Output and Accessibility

Text Tagging Engine outputs its analytics in JSON format, ensuring compatibility and ease of integration with existing systems. The output provides detailed, sentence-by-sentence insights.



Figure 2: Depiction of Text Tagging Engine's JSON output

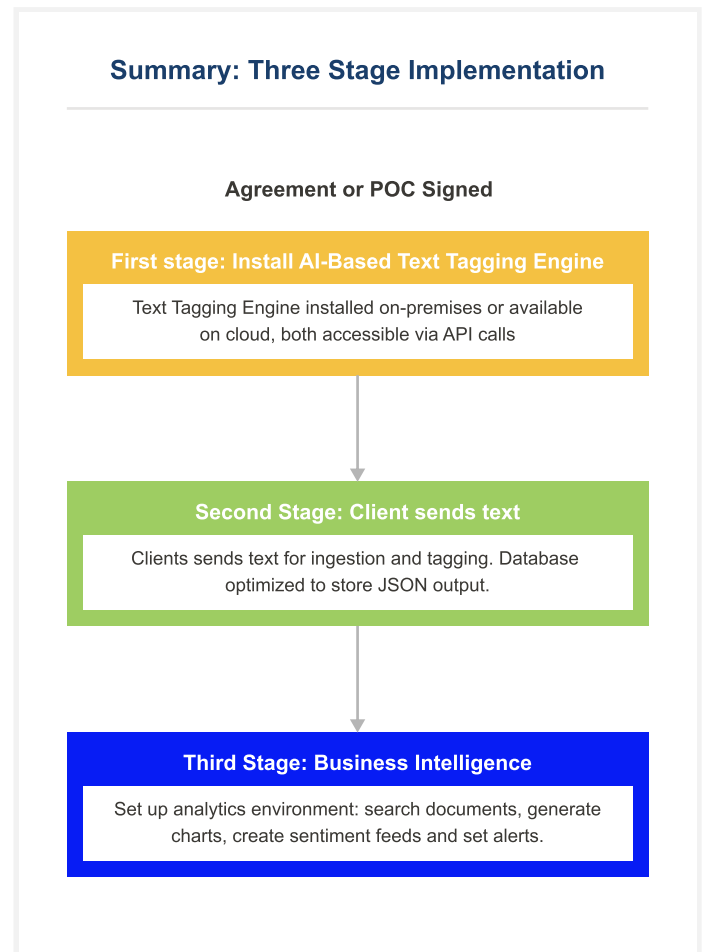


Figure 3: Installation Workflow

Text Tagging Engine is available for deployment in multiple environments: on-premises, cloud-based, and via API. MarketPsych's tech team provides hosting advice, retrieval and visualization guidance for the detailed analytics.

Getting Started

For those interested in exploring how Text Tagging Engine can be integrated into their workflow, MarketPsych offers detailed support and a complimentary trial for institutions interested in leveraging Text Tagging Engine's analytical power.

For further information or to arrange a demonstration, please contact support@marketpsychdata.com.