Info-Navigator for Capital Markets

Executive Summary

Overview – The solution facilitates the identification and extraction of unstructured data in a variety of modalities and formats. It enables dynamic research suited to capital market demands, shortens cycle time, and improves decision-making. It provides prompt query identification, pertinent resource retrieval, data point validation, extraction, and the creation of actionable insights.

Business Problem

Capital market professionals face challenges in efficiently analyzing unstructured data across diverse formats (e.g., financial reports, earnings call transcripts, regulatory filings, news articles, and alternative data sources). Traditional approaches to data extraction and comparison are time-consuming, prone to errors, and inadequate for evolving regulatory and ESG requirements. There is an increasing need for automation to enhance underwriting, portfolio analysis, and regulatory compliance.

Impact - Improved decision-making, reduced time for data analysis, and enhanced portfolio management for capital market stakeholders.

Key Takeaways for Stakeholders

- Enhanced Decision-Making – Structured data and advanced analytics improve portfolio analysis, underwriting, and compliance monitoring.
- Time Efficiency – Automated processes reduce manual effort and improve cycle time for data validation and extraction.
- Improved ESG Integration – Seamlessly incorporates sustainability metrics into financial decision-making.
- Scalability – Adaptable to different portfolio types, market segments, and evolving data requirements.

Key Stakeholders

- Investors & Fund Managers – Need accurate, real-time portfolio insights.
- Financial Analysts – Require structured data for benchmarking.

- ESG & Compliance Teams – Must track sustainability metrics through alternative sources.
- Institutional & Retail Investors – Demand simplified, insightful data visualization.

Proposed Solution

An AI powered solution that identifies relevant information and transforms unstructured data into structured, actionable insights. It includes:

- View Module: Portfolio comparison with key metrics.
- Discover Module: Intelligent document search and ranking based on user queries.
- Extract Module: Automated extraction of key metrics from unstructured PDFs into structured format.
- Analyze Module: In-depth Q&A for detailed company analysis.
- Report Module: Automated chart generation and summarization for portfolio changes.

Scope of Work

- Development of the five modules: View, Discover, Extract, Analyze, and Report.
- Integration of AI models for data extraction and natural language processing (NLP).
- Creation of a user-friendly UI for portfolio managers and analysts.
- Support for key financial and ESG metrics
- Real-time market data integration (through API).
- Support for non-financial documents (e.g., news articles, Investor relations).

Out of Scope

Customization for non-capital market use cases.

Integration with external licensed financial data providers (Bloomberg, Reuters, etc.).

Predictive stock price modeling.

Market Analysis

Industry Trends:

- Increasing adoption of AI and machine learning in financial services.
- Growing emphasis on alternative data sources in investment decisions.
- Rising demand for tools that can process unstructured data efficiently.

Target Audience:

- Investment firms
- Asset managers
- Financial analysts.
- Research analysts
- ESG-focused funds and compliance teams.

Unique Value Proposition:

➢ Automated Data Extraction – Converts unstructured PDFs into structured insights.
➢ Comparative Portfolio Analysis – Provides multi-company benchmarking.
➢ AI-Driven Discovery & Q&A – Finds the most relevant financial data.
➢ Data-Backed Portfolio Optimization – Helps investors make informed decisions.

Influence on Trends, Policies, or Competitors

- Trendsetting - The integration of financial and ESG metrics sets a new standard for holistic portfolio analysis, influencing industry practices.
- Competitor Response - Competitors may adopt similar solutions to keep up with the demand for data-driven, ESG-integrated investment tools.
- Policy Alignment - The solution aligns with global trends toward mandatory ESG reporting, helping users stay compliant with evolving regulations.

Future Potential and Scalability

Expansion to broader asset classes like bonds and private equity.

Enhancing predictive analytics for forward-looking financial insights.

Expand the solution to include sentiment analysis via data sources like news, social media for richer insights.

Next Steps for Continuous Improvement -

Refinement of AI models for better document discovery and ranking.

Users experience enhancements for a seamless workflow.

Conclusion

Solution addresses a critical gap in capital markets by providing a powerful, AI-driven platform for data extraction, analysis, and reporting. It aligns with industry trends and offers significant value to stakeholders.