BABELSTREET

Advanced Analytics for Identity Intelligence and Risk Mitigation in Government

ROSETTE

The demands on all levels of commercial organizations today require increased global awareness and rapid data analysis to mitigate identity risks and threats. But the growing volume of multilingual and unstructured data has outstripped the ability of enterprise resources to effectively analyze that data to detect and mitigate threats — creating a Risk-Confidence Gap.

Rosette® by Babel Street integrates artificial intelligence and natural language processing (NLP) into systems to ensure that businesses can quickly and accurately close the Risk-Confidence Gap while providing rapid access to insights about people, organizations, and events. We empower enterprises to navigate the complex terrain of modern identity and risk operations through a systematic three-step approach: Match, Analyze, and Score.

- Match identities of individuals and organizations across high-volume and high-velocity data environments quickly and accurately. By leveraging advanced name matching and entity resolution technology, you can enhance the clarity, accuracy, and transparency of identity matching. This comprehensive identity matching creates a solid foundation for making smarter decisions, faster.

- Analyze structured and unstructured data to reveal hidden connections and patterns, provide deeper insights, and increase the accuracy of risk assessments. By seamlessly integrating human expertise with advanced AI algorithms, we empower commercial entities to make risk-based decisions faster based on a complete understanding of all available, relevant data.

- Our sophisticated scoring system dynamically provides a clear and objective view of the risk landscape. This transparency — combined with configurability to support your requirements and explainability to verify insights — drives confidence as you control why decisions are made.

Rosette in Government

Governments around the world use Babel Street AI modules powered by Rosette for advanced identity intelligence and threat intelligence operations, in use cases such as:

- Law enforcement
- Investigations
- Crime patterns
- Threat detection
- Border security
- Counter terrorism
- Watchlist screening
- Passport screening
- Information retrieval
- Intelligence gathering
- Document exploitation (DOMEX)
- Open source intelligence (OSINT)
- Risk assessment
- Predictive analytics

Find the Hidden Value in Your Data

There is valuable information hidden in your data. Babel Street AI modules powered by Rosette text analytics help balance performance with accuracy across four key areas:

Match Identity: Perform cross-script and cross-language name matching with a patented two-pass method that uses 15+ ways to match names. Our advanced algorithms provide real-time matching across massive data sets of over 100 million names and return scores that reflect the degree of confidence in the match.

Analyze Language: Identify 66+ languages with a complete set of linguistic tools that enrich and normalize original text in its native language as a prelude to high speed, accurate, multilingual search and advanced NLP tasks. Detect language boundaries in documents containing more than one language.

Extract and Link Information: Uncover hidden patterns and relationships. Extract valuable insights from unstructured data to find out who did what, where and when. Rosette resolves nearly 20 entity types and consolidates multiple mentions. It comes pretrained with the ability to train multiple models using a no-code interface.

Interpret Content: Extract only relevant information with sophisticated semantic capabilities across multiple languages. Rapidly process large volumes of content by narrowing search results based on word meaning and related concepts. Analyze sentiments and detect common themes throughout documents.

Customers attest to a 90% reduction in false positives when using Rosette for name matching.

Key Features

- Entity extraction and linking
- Name matching and analysis
- Named entity resolution
- Event extraction
- Cross-lingual information retrieval and triage
- Document categorization and clustering
- Name translation
- Language analysis
- Big data analysis

How is Rosette Different?

Babel Street AI modules powered by Rosette are built on a patented, hybrid architecture that understands identity by employing a range of text processing steps and unique algorithms. It delivers:

Speed and accuracy: Rapid and precise results, enabling users to derive insights swiftly.

Unparalleled name matching: Explainable AI provides customizable and fine-tunable name matching capabilities, reducing false positives and increasing true positives.

Multilingual NLP: A broad range of global languages and NLP capabilities for identifying languages and accurately dissecting text.

No-code scoring and training customizations: Flexibility to fine-tune and optimize analytics models without requiring extensive coding expertise.

Flexible and scalable: Easy to embed within existing systems and workflows via APIs and compatibility with Elasticsearch and Solr. Designed for real-time response in high-throughput environments. Flexible licensing scales with your capacity.

Babel Street. Unlock the Most Insights that Matter.

Babel Street is the trusted technology partner for the world's most advanced identity intelligence and risk operations. The Babel Street Insights platform delivers advanced AI and data analytics solutions to close the Risk-Confidence Gap.

Babel Street provides unmatched, analysis-ready data regardless of language, proactive risk identification, 360-degree insights, high-speed automation, and seamless integration into existing systems. We empower government and commercial organizations to transform high-stakes identity and risk operations into a strategic advantage.

Learn more at **babelstreet.com.**

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