Parabole.AI

Cognitive Search for the Enterprise

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Cognitive Search

Transform the way your employees and customers FIND what they need

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Challenges

- Enterprise search fails to leverage the massive volume of unstructured information present in data repositories, e.g., PDFs, texts, emails
- Traditional keyword search returns all documents that contain the search term - too many results, many of which are irrelevant.
- Current search methods result in lost time and inefficient processes as volume increases.

90% of enterprise data is in an unstructured form.

Source: KPMG

Ideal Solution

- An ideal enterprise search must enable users to point to the most meaningful data deep within text-based documents to drive meaningful insights.
- The solution must address industry semantics and company specific taxonomies, and understand the actual meaning of the content. It must identify similar concepts that are often times expressed in varied ways by disparate groups within the enterprise.

- A new generation of technologies using NLP and text mining capabilities are required to have a comprehensive understanding of the unstructured data within an organization.

Desired Outcomes

Flexible and easy to use User-friendly and provides a familiar experience to conventional search engines.

Customized ML models a platform that blends easily with company-specific ontologies and context models.

Integration REST APIs allow access to knowledge models and easily integrate with downstream applications.

Scalable to millions of documents and data sources.

- A truly cognitive search that understands business language will allow enterprise employees to get the right information, fast.

Parabole
AI-powered Cognitive Search
developed on Microsoft Azure Cognitive Services

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Structuring the Unstructured

Flexibility

- Single platform supports multiple businesses or functions, e.g., risk, compliance, marketing, finance.
- Parses documents in any format, e.g., PDF, Microsoft Office and Excel, CSV.
- Connects to disparate data sources to aggregate and normalize data prior to analysis.

Ease of Deployment

- Unsupervised training reduces the need for expert involvement in building training data.
- Powerful yet lightweight training platform enables domain-specific search capabilities.
- Output useable in any downstream application.

Enterprise Scale

- **Microsoft Azure** gives unprecedented scale, security and support required to bring enterprise-grade cognitive search solution.
- The solution leverages Azure's indexing and storage capabilities.
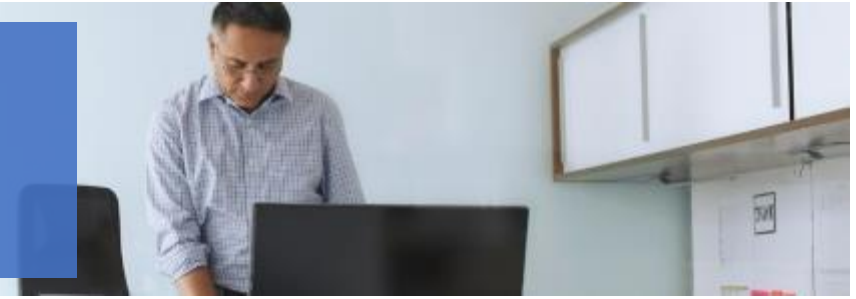
Ecosystem friendly

- Supports Relational DB, SQL DB, Triple store, Graph DB technologies.

Enterprises are the owners of vast knowledge about their organization, Parabole.AI on Azure allows you to find and use this knowledge in real-time with stunning accuracy.

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Parabole.ai is a cognitive analytics platform for building SEARCH-BASED applications that supports customer domain, functions, industry, tasks, and workflows. Developed on Microsoft Azure Cognitive Services, Parabole's custom training and classification model delivers enterprise search solutions specific to a domain or business case. A company can use this platform to build search solutions for customers and employees based purely on full text search, rather than on key words.

Solution Alignment

Lightweight training

- A lightweight training system allows users to train the ML models without having to possess any software skills.
- The training system automatically generates labelled data necessary to train the ML models specific to the use cases.

Expansible Classifiers

- Custom classifier allows you to build your text classifier on your defined custom categories.
- Minimal training pipeline enables unprecedented speed-to-market.

Indexing

- Using Microsoft Azure's indexing capabilities, storage is optimized, since only required data needs to be loaded into memory.