

Rinalogy API Use Case

Rinalogy Search

Business Problem

Almost any search query applied to big data returns a very large number of results that are practically impossible to review. Subsequent results for refinement of searches are cumbersome and hit-and-miss. Existing search products do not sufficiently address the needs of those who have to search big databases with a hierarchy of importance for multiple search terms.

The need for new Big Data search capabilities will continue to be a challenge because the amount of information available to search will continue to increase due to 1) the expansion of technology in practically every field 2) expansion of collection sources, capabilities and opportunities; and 3) the ability to quickly communicate regarding any issue at any time regardless of the distance, location, or time.

Case studies have shown that even a small increase in the quality of data search results makes a substantial difference in performance and the ability to achieve objectives. Business case study examples include 1) a large litigation with millions of documents; 2) a patent application for an important and competitive product; and 3) a search for criminal activity.

Solution

Rinalogy API is a scalable machine learning service that can easily integrate with your application and run in your own environment. Unlike cloud machine learning APIs that run in an environment out of your control and require you to transfer all of your data, Rinalogy API can be deployed in your IT infrastructure, close to your data and behind your firewall.

Rinalogy API performs Exhaustive Sequential Classification by applying models to all documents in the collection.

Models are saved and can be improved with more training data or used to predict new documents later. Its scalable cluster deployment allows you to adjust the number of workers depending on your workload. Rinalogy API can be used to add text classification, search, and recommendation capabilities to a client application.

The RESTful APIs can be integrated with any programming language or platform.

Implementing Rinalogy API in Rinalogy Search's technology solutions allows users to interactively search and find what they are looking for, very quickly.

The Rinalogy API engine builds models to predict results. Rinalogy Search provides a percent likelihood for each result returned. Rinalogy Search uses an iterative process giving users the ability to provide feedback on the results returned. Using machine learning, the search improves to provide the best results and what users are looking for.

As part of the new query model, Rinalogy Search offers the ability to weight the search concepts. Users can save search history results for later review and the software can search the web as well as data available locally, or in the cloud.

Rinalogy Search is a cloud-based technology capable of running very complex concept queries in seconds.

Rinalogy Search works in multiple languages such as English, Spanish, German, Russian, Chinese, Japanese and Korean.

The software supports multiple platforms and devices.