

AI Driven Vendor Selection



Deep Data Mining & Knowledge Discovery System

A deep knowledge discovery & domain entity detection/extraction system with a built in cognitive search feature on top of unstructured document corpus.

The Customer

Is the world's largest aerospace company and leading manufacturer of commercial jetliners and defense, space and security systems. Boeing products and tailored services include commercial and military aircraft, satellites, weapons, electronic and defense systems, launch systems, advanced information and communication systems, and performance-based logistics and training.

Challenges

- Extract the unstructured data stored as part of the assessment document stored in different formats .
- Deriving a standard text engineering pattern from huge variety of data (Variety in terms of Document type as well as the contents in documents).
- Understanding the domain in details and to translate the domain knowledge to ML models.

Solution

We understood the existing assessment capturing process along with the existing data exploration options. Understood the customer expectation, Identified and defined the data processing, management and exploration systems using AI

Implementation of Process Automation

- Deep knowledge discovery and text engineering techniques were used to extract targeted parameters from unstructured data corpus.
- Domain specific entity models were built in WKS on top of extracted data corpus using ML annotators to define entities.
- The Models built as part of WKS were used in NLU to extract entities.
- Advanced cognitive search engine was built along with other data exploration modules to explore the captured supplier assessment based data in detail.

Value Delivered



Better management of information captured as part of supplier assessment document corpus.



High volume and variety of data could be explored faster in no time saving lot of effort and time.



Searching through the assessments for knowledge discovery made fast



Decision making made faster with help of data exploration modules (Compare, Predict)