Course Code: W7S163GS

Course Title: Mastering Document Retrieval with IBM Watson Discovery API

Description:

In this comprehensive course, you will learn how to harness the power of Watson Discovery API to build a robust document retrieval system. From regular expressions to advanced techniques like Discovery Query Language, relevancy training, and result modification, this course will equip you with the skills needed to create highly accurate and efficient search applications.

The course begins by introducing you to the Watson Discovery API and its capabilities. You will gain hands-on experience by developing a document retrieval project from scratch. Starting with the basics, you will learn how to upload dictionaries to enhance the search functionality and utilize regular expressions to extract specific patterns from documents.

Moving forward, the course delves into the features of Watson Discovery user interface. You will explore text classification techniques, leveraging the power of machine learning to categorize and organize your documents effectively. With the smart document understanding tool, you will learn how to extract meaningful insights from unstructured data, making it easier to analyze and retrieve relevant information.

The course also covers relevancy training, a powerful technique that fine-tunes the search results based on user feedback. You will learn how to train the system to improve the ranking of search results and provide a more personalized experience to users. Additionally, you will discover how to expand the meaning of searches, enabling the system to comprehend user intent and deliver accurate results even when the query may not match the exact keywords.

Furthermore, you will explore result modification techniques, allowing you to customize and refine search results to better align with specific requirements. Finally, you will learn how to extract the retrieved data and export it to a CSV file for further analysis or integration with other systems.

By the end of this course, you will have the expertise to build soisticated document retrieval systems using Watson Discovery API. Whether you are a developer, data scientist, or a technology enthusiast, this course will empower you to leverage the full potential of Watson Discovery API and revolutionize information retrieval in your projects.

Objectives:

- Define the capabilities and limitations of Watson Discovery API
- Develop a document retrieval tool using the API

Prerequisites:

Basic programming knowledge, basic knowledge of Watson Discovery UI, familiarity with REST APIs, and a basic understanding of machine learning concepts would be beneficial.

Duration:

8 Hrs

Topics:

- Course Introduction
- Case Study
- Introduction to Watson Discovery API
- Document Retrieval with Watson Discovery API
- Query parameters and operators
- Relevancy Training
- Extracting Results

Audience:

Data Scientist, AI Specialists, Machine Learning Specialists