**Cloud Computing for Data Analysis**

**VIDEO CASE 10 : Text Classification**

Watch following videos:

**Video 1:** <https://youtu.be/Czueje0eVzY>

**Video 2:** <https://youtu.be/tzfOsLeVoPI>

**Video Case Questions:**

1. What is text mining?

|  |
| --- |
| Text mining is a process to filter large number of documents and extracts the relevant information from there according to the user’s need. Text mining is different than search tools as it not only finds the parts of speech of the sentences, but also find the actionable patterns that help find more useful information. It enables the users to see emerging trends and patterns that is impossible to do if the user had to read all the contents yourself. This results in new insights which helps answer queries that is not possible using a search engine. |

1. How text mining tools works on the given text for extracting information?

|  |
| --- |
| The text mining tool extracts by learning how to find information within each article. It examines complex structures documents containing unique language, abbreviations, codes, and symbols. This process then ends up with a long list of extracted words and sentences. The text mining tool also understands how the words related to one another and can analyze the results. This is how text mining tool works in extracting information. |

1. What are some applications of text mining?

|  |
| --- |
| There are several areas where text mining can put it’s influences, such as –   1. Virtual assistants (Siri, Google Assistant, etc.) 2. Sentiment analysis 3. Document summarization 4. Text categorization in specific domain (i.e. filtering spam emails) 5. Fraud detection 6. Customer care service (intelligent chat bot) |