

ABSTRACT

- Automatic Text summarization is the technique to identify the most useful and necessary information in a text.
- It has two approaches 1) Abstractive text summarization and 2) Extractive text summarization.
- The Extractive text summarization technique involves pulling key phrases from the source document and combining them to make a summary. The extraction is made according to the defined metric without making any changes to the texts.

OBJECTIVES

- Construct an intermediate representation of the input text (text to be summarized).
 - Introduce a method to extract the merited key phrases from the source document. For example, use of part-of-speech tagging, words sequences, or other linguistic patterns to identify the key phrases.
- Score the sentences based on the constructed intermediate representation.
 - In sentence scoring, we want to determine how well each sentence relays important aspects of the text being summarized, while sentence selection is performed using some specific optimization approach, assign a score to each sentence using some metric, and then select from the best-scored sentences via some well-defined sentence selection method.
- Select a summary consisting of the top k most important sentences.

BENEFITS FOR SOCIETY AND ENVIRONMENT

- Nowadays as large amount of data is present, reading the whole document is time consuming. So by using Text Summarization mechanism only the useful information can be extracted so that the time required to read the whole document is saved.
- To accelerate the process of research for information.
- Increase the amount of information that can fit in an area.