

## Preface

The advancement of technology has led to the digitization of numerous aspects of our world. Consequently, manual text summarization has become challenging and time-consuming. As a result, text summarization has gained attention as a potential solution to these issues. The primary objective of text summarization is to address the problems associated with manually summarizing text documents and information from various sources. It involves extracting the key concepts and providing a concise explanation of the text or context. This approach aims to not only extract important concepts and words from the source material but also generate insightful summaries that are clear and straightforward. NLP (Natural Language Processing) can be effectively utilized to implement text summarization due to its wide range of Python and R packages and methodologies.

**Keywords:** Text summarizer, NLP, Rouge Score, Sentiment analysis