Key Features

Text Data Input

File Input: Users can specify a text file from which the application will read text data.

URL Input: The application supports extracting text data from a specified URL, allowing for the analysis of web-based content.

Manual Text Input: Users have the option to input text directly through the console interface.

Sentiment Lexicon Configuration

Lexicon Loading: The LexiconLoader class is responsible for loading sentiment data from a file, creating a lexicon that maps words to their sentiment values.

Sentiment Analysis Process

Analysis Execution: The SentimentAnalyzer class performs the sentiment analysis. It calculates a sentiment score for each word in the text and computes an overall average sentiment score.

Support for Multiple Texts: The application can process and analyze multiple pieces of text simultaneously.

Output and Reporting

Sentiment Score Display: After analysis, the application displays the sentiment scores, providing insights into the overall sentiment of the processed text.

Output File Specification: Users can specify an output file to save the analysis results for future reference or further analysis.