Sentiment Analysis Application

This Java-based application provides a CLI for performing sentiment analysis on textual data, such as tweets, using a lexicon-based approach. The application is designed to analyze the sentiment of textual data, with a particular focus on social media content such as tweets. Leveraging a lexicon-based approach, it assesses the sentiment of individual words by referencing a comprehensive lexicon, where each word is associated with a sentiment score. The application then aggregates these scores to compute an overall sentiment for the provided text, offering valuable insights into the emotional tone conveyed by the data.

Key Features

Text File Specification: Allows users to input the path of a text file containing textual data.

Output File Configuration: Users can define the path where the analyzed sentiment results will be saved.

Lexicon Configuration: Users can set up the path for a lexicon file which contains words associated with sentiment values.

Execution of Analysis: After configuration, users can execute the sentiment analysis which reports the overall sentiment of the provided text data.

How to Use

1. **Specify Text or URL**: Start by specifying the path to a text file or a URL to analyze.

2. **Configure Output and Lexicon**: Define where you want the output saved and the path to the lexicon file.

3. **Execute Analysis**: With the necessary inputs provided, execute the analysis to get the sentiment results.

4. **View Results**: Check the specified output file path to view the overall sentiment of your text data.

Requirements

- Java Development Kit (JDK) 11 or above.