**Sentia - Sentiment Analysis App**

Sentia is a simple sentiment analysis application built using Python and Tkinter. It allows users to analyze the sentiment of text input using various machine learning models such as SVM, Logistic Regression, Naive Bayes, K-Neighbors, and Random Forest.

**Features**

* Select from multiple machine learning models for sentiment analysis.
* Analyze single text inputs for sentiment.
* Load data from JSON files for batch sentiment analysis. For batch data it needs to be in a json format and have the text to be analyzed under the “text” key. There is an example provided.
* Edit and delete individual entries in the analysis results.
* Export results to a JSON file.
* Clear the analysis table.

**Installation**

To run the app, follow these steps:

1. Install the required Python libraries:

pip install joblib

1. Run the app:

python main.py

**Usage**

1. Select a machine learning model from the dropdown menu.
2. Enter text in the input field.
3. Click "Analyse Sentiment" to analyze the text.
4. Use the "Select File" button to load data from a JSON file for batch analysis.
5. Edit or delete individual entries as needed.
6. Export the analysis results to a JSON file using the "Export Table" button.
7. Clear the analysis table with the "Clear Table" button.

**Technologies Used**

* Python
* Tkinter
* scikit-learn
* JSON
* JOBLIB