Experiment Results have been obtained by executing python files: proposed_solution_svm.py and baseline_code.py on PyCharm 2024.1.4 using macOS Sequoia 15.3.1

Python 3.12

Required Libraries and Versions:

nltk – 3.9.1
numpy – 2.2.4
pandas – 2.2.3
re *(this is a standard library in python)*
scikit-learn – 1.6.1
scipy – 1.15.1