Replication Instructions

Follow these steps to replicate the reported results with 'hybrid_br_classification.py':

1. Set up your environment

   - Install dependencies listed in requirements.pdf

   - Ensure Python 3.7+ is being used

2. Prepare the dataset

   - Ensure dataset is in the relative location, for example:

     C:/Users/chibu/Documents/ISE-solution-main/Coursework/datasets/{project}.csv

Please note, 'hybrid_br_classification.py' should work as long as the entire directory is saved to the same file.

     o Required columns: 'Title', 'Body', 'class'

3. Run the full script

   - All preprocessing, model training, and evaluation steps are handled in the code.

   - You do not need to change the core logic unless using a different dataset.

4. View results

   - After execution, check the results dir:

- Two key output files for the main code:

 {project}_SMOTE_HybridModel_Metrics.csv: Contains metrics across all repeats

 {project}_SMOTE_HybridModel_Final_Metrics.csv: Contains average metrics