Environment Preparation

Install Python
Ensure that Python 3.x is installed on your system.

Install Dependencies
According to the instructions in the requirements.pdf file, install the required Python libraries and their corresponding versions. You can use the following command to install the dependencies:

pip install -r requirements.txt

Install Git

If you haven't installed Git, install the appropriate version according to your operating system.

Clone the Code Repository
Run the following command in the terminal to clone the code repository:

git clone <repository address>
cd ISE - coursework

Data Preparation

Data Download

Ensure that you have downloaded the required datasets and placed them in the appropriate locations under the code directory. The filenames of the datasets should match those specified in the code.

Data Format

The datasets should be in CSV format, containing columns such as Title, Body, and class.

Run the Code

Baseline Model

·Navigate to the code/baseline directory.
·Run the following command:

python pytorch_nb_.py

You can replace pytorch_nb_.py with the code files of other projects as needed.

Improved Model

·Navigate to the code/improved directory.
·Run the following command:

python pytorch_improved_.py

Similarly, you can replace pytorch_improved_.py with the code files of other projects as needed.

View Results

After running the code, the results will be saved in the corresponding CSV files in the results directory. You can use Excel or other data analysis tools to open these files and view the experimental results.

Notes

·Ensure that your network connection is stable for downloading the required libraries and datasets.
·The experimental results may be affected by the random seed and data distribution. If you need to reproduce the same results, set the same random seed.