Sentiment-Instigate Pair Extraction(SIPE): A Smart Task for Emotion Analysis in Text.

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This setup guide gives us the clear instructions on how to execute the project code and all the requirements to run

Required Softwares:

- Python

Platform

- Google drive
- Google colab
- Jupyter lab
- Overleaf

Creating Dataset

- We have two sets of data for training and testing the model. Make sure these two sets of data are in the folder Data while running the model.
- Dataset for training the model – data_test
- Dataset for testing the model – data_train
- We have mentioned in each Model how to use these datasets.

Training the model

- Open Google drive
- Make sure following all files are present
    1. bert.ipynb
    2. lstm_w2v_wiki.ipynb
    3. traditional_ml.ipynb
    4. models
    5. embeddings
    6. data

Running the model

- You can choose Jupyter lab or Google colab to run our models.
- Once you go to either of them, you can start running the program and you will get to know the accuracy of the model and predictions as well when you run all the mentioned cells.
- You can save the model for later use.
- I have saved all models for later use and taken BERT model for the deployment of the website.

Installing python

- Downloaded Windows version of python from Python.org at https://www.python.org.downloads/. Later active and stable version of Python available is 3.9.0. I have has installed the same.
- Used pip install for installing those modules and dependent modules.