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Download

1. download anaconda
2. download jupyter lab 3.0.11
3. download [glove.twitter.27B.200d.txt](#) from kaggle.
4. download the [AI_project](#) folder from the [repo](#) / extract it from the zip file.

create a new folder and name it pretrained_embeddings and add it to the AI_project folder, then move the glove.twitter.27B.200d.txt file to it.

Activate environment with

in the conda prompt write:

```
activate AI_env
```

Run With

after you activate the environment run the following:

```
jupyter lab
```

in jupyter

run the code in its order. If you intend to run the map code, please delete the files tweets.tsv and tweets_tmp.tsv and then run the relevant code or skip the part of Tweet data creation and continue to the next part (Data loader of the tweets).

Files

1. **implementations/ tweets_extractor.py**: includes the implementation of extracting tweets related to abortion, the extracting based on a list of hashtags using the twitter API.
2. **implementations/tweets_location.py** : this file includes the implementation of extracting additional data for tweets test and train data set, using twitter API.
3. **implementations/models.py**:
This file holds the implementation of all the models and different parts of them.
4. **implementations/training.py**:
This file holds the training and evaluation functions of the models.
5. **data-all-annotations**:
This file holds the training and testing datasets we used to train and evaluate our model.
6. **checkpoints**:
This file holds the weights of our trained models and is used to initialize the models in the notebook.
7. **pre-training-embeddings**:
This file holds the pretrained embedding weights used to initialize our embedding layers.
8. **Figures**:
This file holds the figures representing our different results.
9. **Tweets_tmp.tsv**: includes tweets from the twitter in the format: local id, text screen_name and location.
10. **Tweets.tsv** : the same as tweets_tmp.tsv , but includes a location coordinate for each of the tweets, we used the tweets in the map visualizing part.
11. **our_notebook.ipynb**:
This file is a notebook in the jupyter lab format that executes our models and algorithms.

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