The API is called using a setup JSON file to define the input parameters and supply a single message if that is the input to be evaluated. If a file is to be evaluated the "message" field in the JSON setup can be left blank.

The setup file must contain the following fields:

'group_result': How you want your results to be presented, [unsorted , sorted, max]

'model': Which model do you want to evaluate your data? [fear, violence]

'message': If you want to evaluate a single sentence you can input it directly in the call.

An example setup file can be found on the project's github page.

https://github.com/BernhardMoller/Sentiment-web-app

The prediction results will be formatted as a JSON with the fields:

'index': shows from which row in the input that the message & pred originates from. Depending on the selection of 'group_result' sentences will be split.

'message': Output format & order depending on the selection of 'group_result'.

'message_raw': Output in chronological order (as evaluated by the model)

'Pred': Output predictions in the same order as 'message'

'pred_raw':Output predictions in the same order as 'message_raw'

Endpoints for the API:

- .../ping , pings the server and returns a "server is live" message if the server is online
- .../echo/<message> , returns the <message>
- .../api/input , returns a JSON object with the required input format for the API and the available selection of models and result sorting

Example calls:

Ex1:

curl -X POST -F 'setup=@setup_test1.JSON' -F 'eval_file=@path/to/your/file.csv' http://localhost:3130/api

The call uses a setup file called "setup_test1.JSON" for the call to set all input parameters and an "eval_file" located at "path/to/your/" called "file.csv" which

supplies the data to be evaluated. This setup assumes that the “message” field in “setup_test1.JSON” is left blank.

Ex2:

curl -X POST -F ‘setup=@setup_test2.JSON http://localhost:3130/api

The call uses only the setup file for the evaluation. This assumes that the data to be evaluated is supplied in the “message” field in the JSON setup. Since we do not use a separate data file to supply the data the “eval_file” form can be omitted.

Ex3:

To save the results add --output followed by filename.json to download your prediction results as a JSON file.

curl -X POST -F ‘setup=@setup_test1.JSON’ -F ‘eval_file=@path/to/your/file.csv’ --output myfile.json http://localhost:3130/api