SWiT: Emoji Sentiment Brat Setup & Tutorial (External)

Install brat
Follow instructions [here](#) and [here](#).

Download SWiT files
Download *swit_files.zip* [here](#).

You should see 5 total items (3 folders and 2 files) inside:
1. **FHBT** - .txt and .ann files for data containing instances of 🥹 (face holding back tears).
2. **LCF** - .txt and .ann files for data containing instances of 😭 (loudly crying face).
3. **SFWT** - .txt and .ann files for data containing instances of 🥲 (smiling face with tear).
4. **annotation.conf** - brat annotation config file, which configures the annotation schema with emoji spans as entities and the sentiment types as attribute types.
5. **visual.conf** - brat visual config file, which configures the visual presentation of the emoji spans.
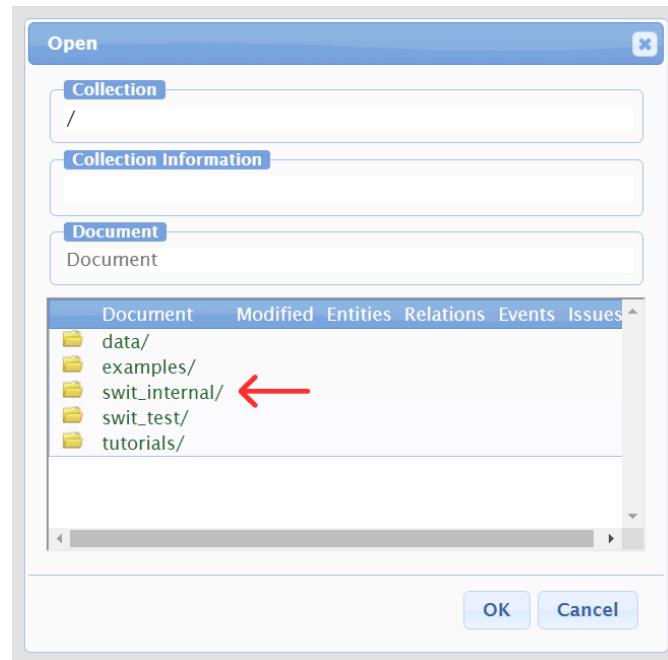
Extract or copy the extracted *swit_files* directory to *brat/data*. Please make sure that all 5 items remain inside the *swit_files* directory, and that the entire directory is being moved.
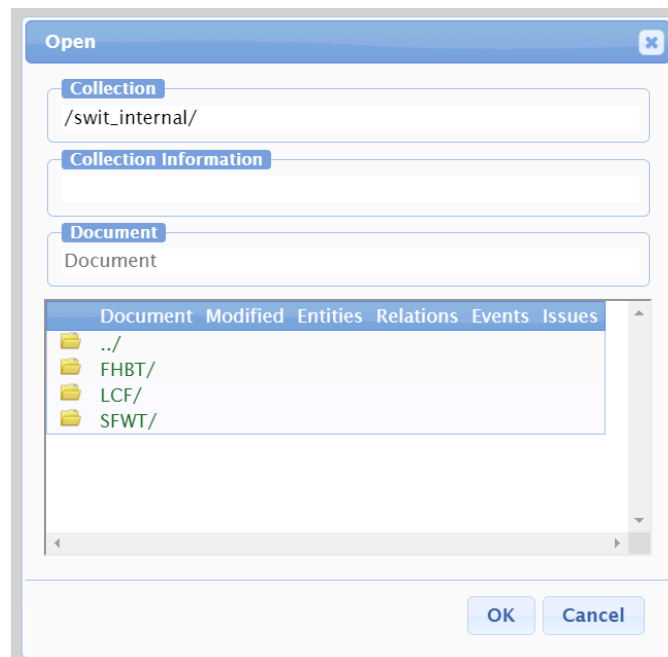
Brat guide & annotation steps

Below you will find instructions to set up and use brat to annotate for SWiT.
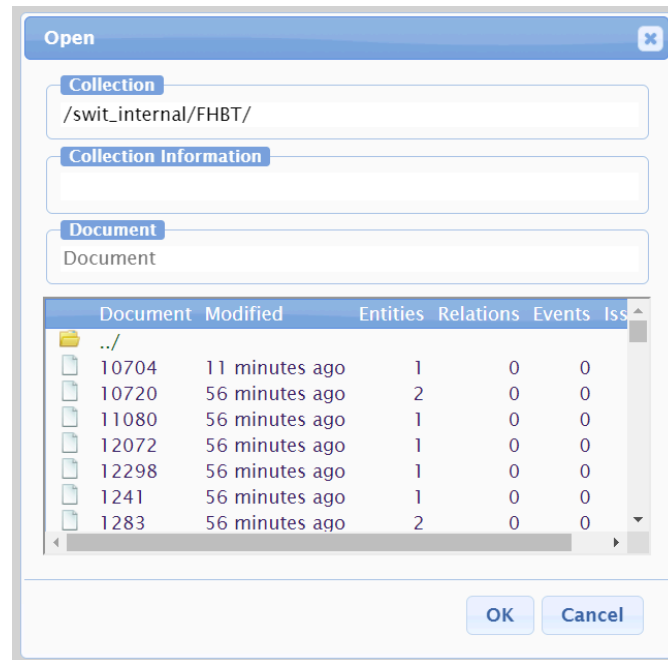
Step 1. Access swit_files directory and its contents
Go to "Collection" on the top left of the menu and open *swit_files*.

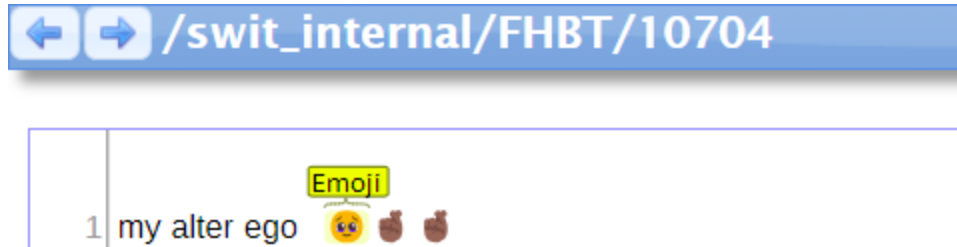Here, you will find the three directories corresponding to the three emojis of interest.

For reference, this is what it looks like when you open the *FHBT* directory. All data will be found inside. The numbers below "Document" correspond to the tweet ID and the numbers below "Entities" correspond to the number of emoji spans that exist in the respective document. You can return to the *swit_files* directory to access the other emoji directories by clicking on the folder icon, which allows you to return to the parent directory.
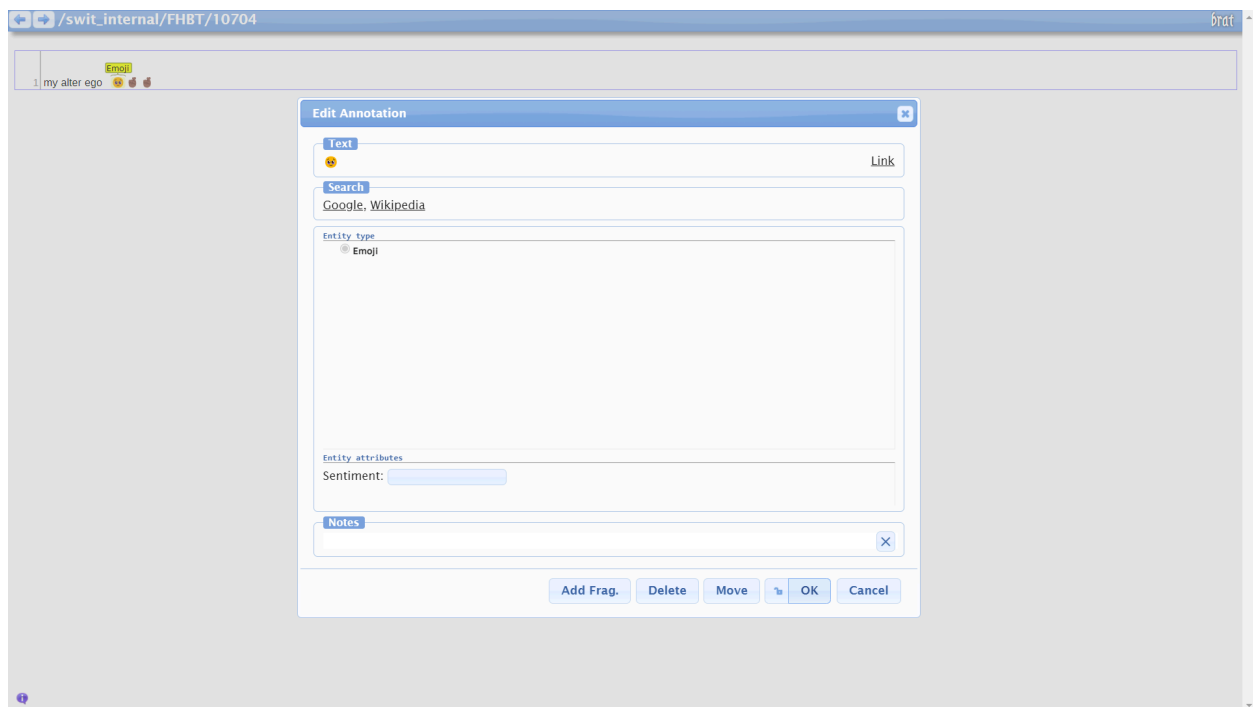
Open

Collection
/swit_internal/FHBT/

Collection Information

Document
Document

Document	Modified	Entities	Relations	Events	Iss
../					
10704	11 minutes ago	1	0	0	
10720	56 minutes ago	2	0	0	
11080	56 minutes ago	1	0	0	
12072	56 minutes ago	1	0	0	
12298	56 minutes ago	1	0	0	
1241	56 minutes ago	1	0	0	
1283	56 minutes ago	2	0	0	

OK   Cancel

Step 2. Annotate

When you access a document, you will find pre-labeled emoji spans. These are highlighted in yellow and have a yellow label that reads "Emoji".
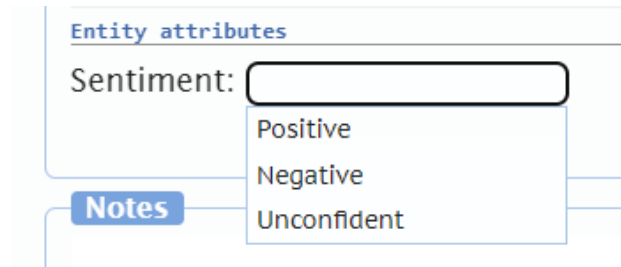

To annotate, double click on the label and you will access the annotation interface. You will not be able to select entity types as these are pre-labeled. This means you also will not be able to create new emoji spans. What you will be annotating is the entity attributes, labeled as "Sentiment" for our project's purpose.
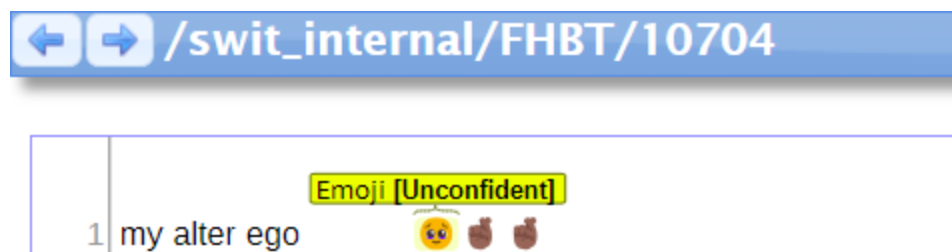

IMPORTANT NOTE: Please avoid clicking "Add Frag.", "Delete" or "Move". This will affect the emoji span, NOT the Sentiment. See below for how to remove a Sentiment value.
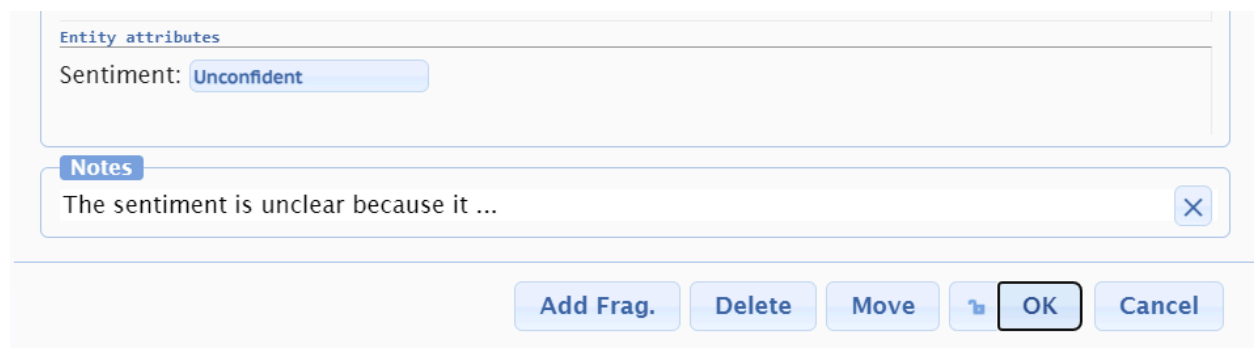
When you click on the light blue box next to "Sentiment", you will be able to choose one of the three sentiment types: Positive, Negative, and Unconfident. You can also type the value in the text box. After selecting a sentiment type, click "OK" on the bottom right of the annotation interface to save the annotation. If you wish to remove the Sentiment value, you can Backspace and hit Enter when the text box is empty.

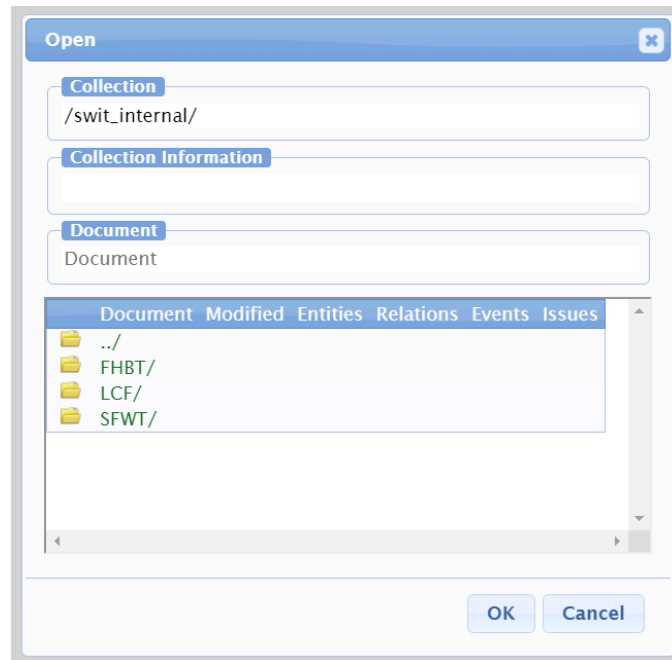Once an annotation has been saved, the emoji span label will update with the selected sentiment.

Whenever "Unconfident" is selected as the sentiment, remember to leave a comment in the notes section which can be found immediately below the Sentiment selection box. See
Annotation guidelines v1 for cases when "Unconfident" should be selected. You should also leave a comment if you do not feel comfortable selecting a sentiment due to the tweet's contents. You are able to save notes even if no sentiment value has been selected.

You can use the left and right arrow keys to access the previous and next documents respectively.

Step 3. Export data
When you have finished annotating all of the data contained in all three emoji directories, please open "Collections" and continue clicking on the folder icon that allows you to return to the parent directory until you return to *swit_files*. You should now see the three emoji directories.

Go to "Data" on the top right of the menu and the data interface will show up. Please select "Download tar.gz". All done!