# Step-by-step process of conducting annotation with screenshots and examples

|  |
| --- |
| 1. Access to the Ubuntu sever and navigate to the ‘data’ folder located within the Brat directory. |
| **A screenshot of a computer  Description automatically generated** |
|  |
| 1. Import clinical notes in .txt formats, and for each clinical note, create a corresponding blank .ann file with same file name as the .txt file. For example, ‘TCGA-BJ-A0Z2.txt’ and ‘TCGA-BJ-A0Z2.ann’. |
|  |
| 1. Generate the ‘annotation.conf’ file, and list the entities, relations, and attributes according to annotation guidelines. |
| **A computer screen shot of a black screen  Description automatically generated** |
|  |
| 1. Activate Anaconda in Python version 2.7 and obtain the IP address to access to Brat. |
| **A screenshot of a computer  Description automatically generated** |
| 1. Log in to Brat using a browser and open the clinical note needed to be annotated. |
| **A screenshot of a computer  Description automatically generated** |
|  |
| 1. Add annotations for a text span by selecting that span with the mouse, and assign the entity and attribute (if applicable) for the selected span. |
| **A screenshot of a computer  Description automatically generated** |
|  |
| 1. Create relations between annotations (if applicable) by dragging the mouse from one annotation to another. |
| A screenshot of a computer  Description automatically generated |
|  |
| 1. Select the type of relations from the pop-up dialog after releasing the mouse pointer over another annotation. |
| **A screenshot of a computer  Description automatically generated** |
|  |
| 1. The below screenshots are examples of annotated clinical notes on Brat. |
| (a) An example pathology report (ID# TCGA-BJ-A0Z2) from TCGA-THCA data. |
| A screenshot of a computer  Description automatically generated |
|  |
| (b) An example operation record (ID# 13o) from the pseudo clinical notes. |
| **A screenshot of a computer  Description automatically generated** |
|  |
| 1. Export the annotated data from Brat by accessing to the ‘Data’ dialog from the menu. |
| **A screenshot of a computer  Description automatically generated** |
|  |
| 1. The annotated data contained in the .ann files were automatically generated by Brat after annotation. The below screenshots are examples of annotated data, which are then be used in few-shot prompting strategies. |
| (a) An example annotated data (ID# TCGA-BJ-A0Z2) from TCGA-THCA data. |
| **A screenshot of a computer  Description automatically generated** |
|  |
| (b) An example annotated data (ID# 13o) from pseudo clinical notes. |
| **A screenshot of a computer  Description automatically generated** |