Annotation Instructions

Below are the instructions and some demonstrations for annotating image files. If you have any questions, please do not hesitate to email!

Data

to_annotate.zip

https://drive.google.com/file/d/1zgQXU48IdaIaMn9KMFGjtJtifT4PudMm/view?usp=sharing

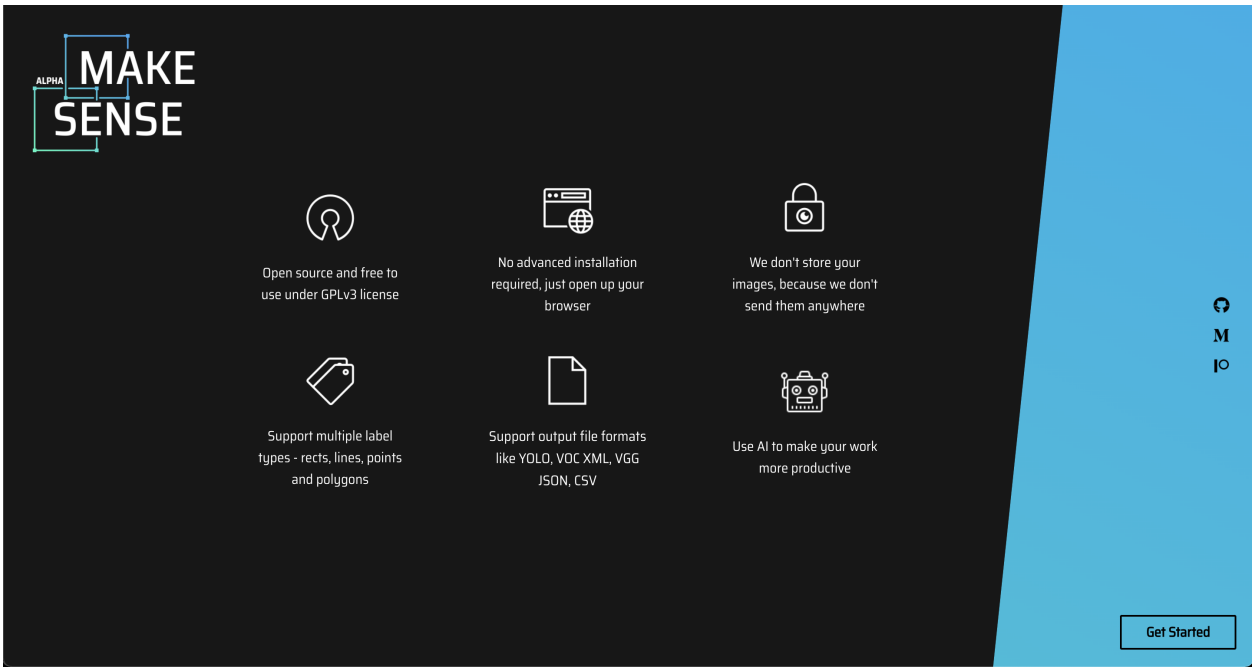
The data has been split into individual images, every 30 frames, per video. I have uploaded the files to the link above, where you can download and unzip the data. Attached is also a CSV of all the files, please feel free to edit this if you feel like ticking off frames once you have annotated.

Below is the value counts for the frames:

```
glioblastoma    472
meningioma      402
```

It would be great if you could annotate by video and have an equal number of glioblastoma and meningioma videos!

Make Sense AI



The platform I have suggested for an easy to use labelling tool is Make Sense AI.

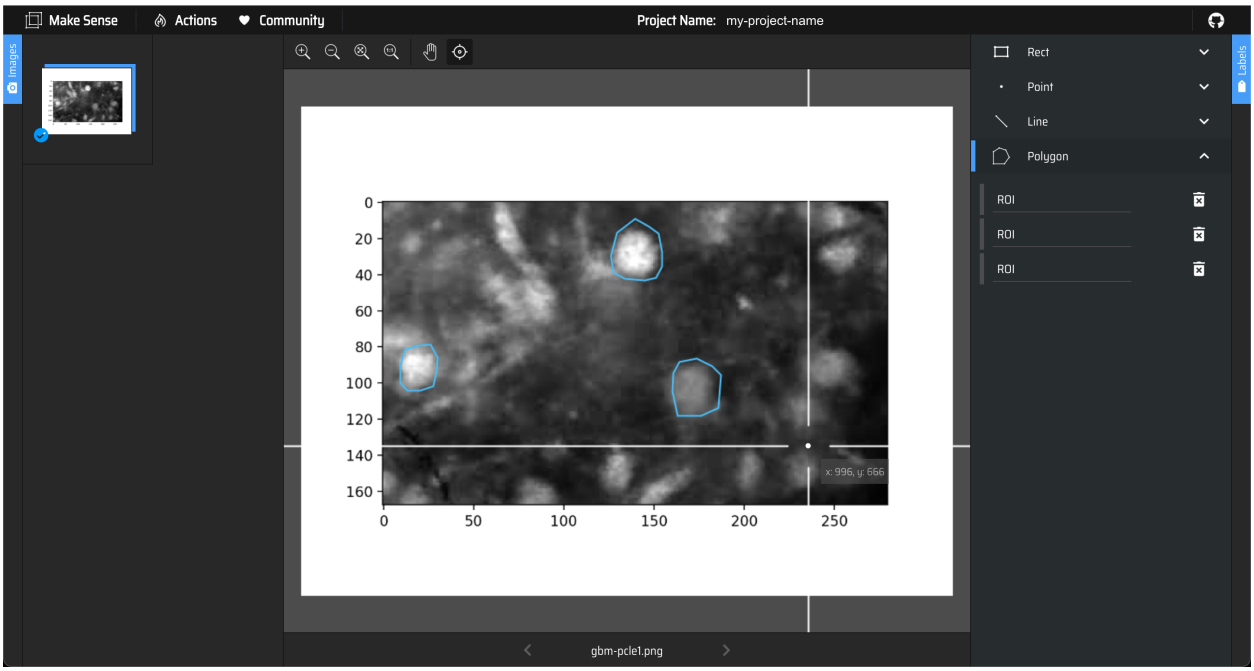
It is not the only one out there, other options are available (please use what is most comfortable):

- https://cvat.org/tasks
- https://github.com/tzutalin/labelImg

> Make Sense
>
> https://www.makesense.ai/

Make Sense ensures security in data and enables an easy to use platform. It is very quick to load and can be done on the browser.

Setup



After clicking on the link, follow these steps:

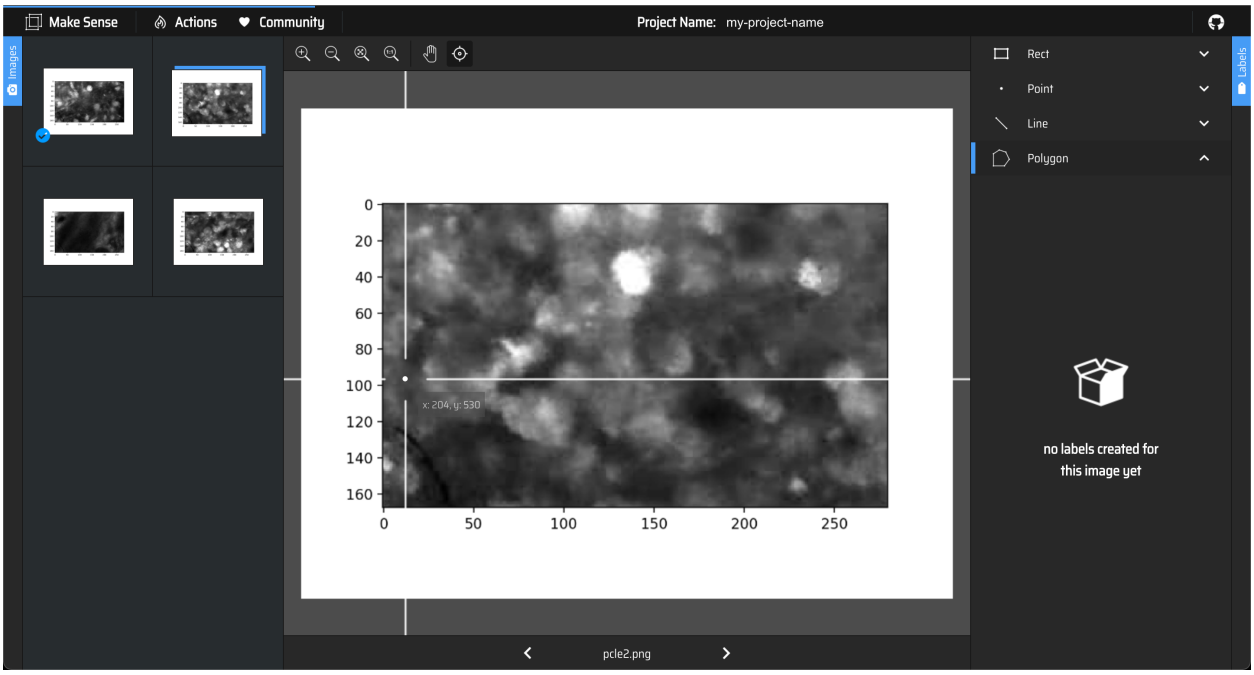
- Click get started.
- Upload your selected images (I recommend doing the upload in by videos).
- Click object detection.
- Select the labels you require (in the example above I have just included a region of interest label, please do whatever works for you)

You can now navigate through your uploaded images and draw regions.

Drawing

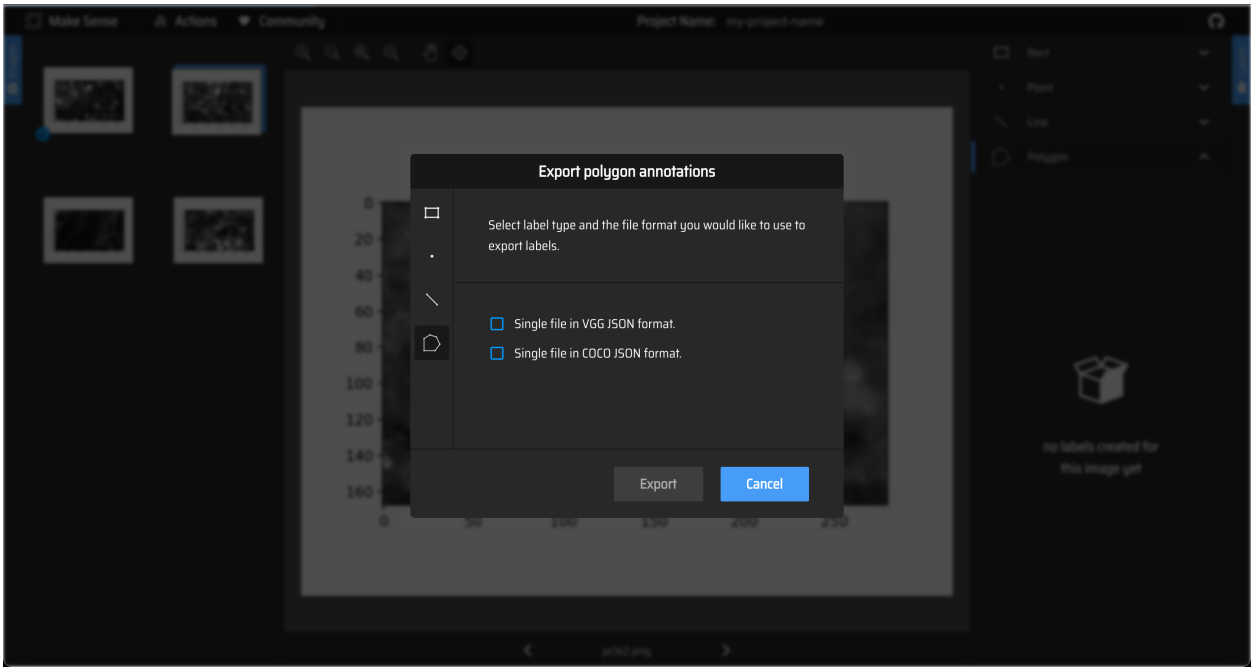
To draw a region:

- Click on polygon.
- Use the crosshair to aim at the start of your region of interest.
- Click multiple times (in different places) to draw edges of a polygon.
    - If possible try to make smooth edges of the polygon, this will help the algorithm!



Saving

When done, please click on actions and choose COCO JSON format. This file contains the name of every image and their respective annotations.



Once it is all saved, send over the .json files! You will most likely have a collection of .json files containing the annotations.

Thank you very much for your help and expertise!