How do i get my annotations?

i ask that myself every day

You have now done some annotating (or had others do it for you)

“So, how do i get them and what can i use them for?” You ask yourself

Well, we use Notebook 8 of course! Here we can look at the Zooniverse classifications we have extracted from our workflows

We also got some options on what to do with the extracted zooniverse classifications

Step 1: Request zooniverse information

By running the cells of code provided, you will be able to choose whether you want to request the latest information from zooniverse or if you are content with using previously downloaded information

Typically, unless we have recently either annotated a lot or added a new workflow, we do not request the latest information from Zooniverse, as it takes a while to do so, and can only be done once every 24 h

After choosing if we want the latest information or not, we will connect and retrieve the zooniverse information by running the next cell of code and put in our zooniverse credentials into the fields provided

Step 2: Choosing the workflows

- After retrieving the zooniverse information, we then choose which workflow we want to retrieve the information from, which is achieved by running the provided code cells. You also get to choose how many workflows you want to retrieve information from.
    - Do make sure that you choose the proper type, either Clip or Frame depending on your workflow
- It is also here one choose the version of the workflow one want to retrieve information from, if you want all the information, just go with the default Version 1, else if you only want the latest data, choose the latest version available.
    - Each time you make a change to the workflow in Zooniverse, a new version will be made.
- Continue with sample and process the classifications, this is in order to see how many classifications overall we have in a workflow at the moment of aggregation.
- After this step, you can then choose to display all the individual annotations unaggregated

Step 3: Aggregate and explore the classifications

We begin with choosing if we want to only include annotations from specific users, or all users, We then start setting our parameters for agreement on the classifications, this is achieved by running the code provided in the cell.

After setting our parameters the way we want them, it is time to aggregate the classifications, after this step, we also summarise the classifications by class.

Following that, we can get our classifications as a table, or we can actually see the classification in frame or in video using the notebook.

Step 4: The optionals

Here we can choose what we want to do with said classifications obtained

There are options things:

Optional 1: Export aggregated frames in YOLO format (For ML purposes)

Optional 2: Download raw/aggregated annotations as CSV for data science purposes (eg. compare expert and citizen science annotators)

Optional 3: Export annotations to GBIF/OBIS format (for Biodiversity purposes)

Optional 1:

Step 1: Begin with Initializing your mlp and choose the location for your directory where the frames will be stored

Step 2: Choose your training parameters

- Default is 0.2

Step 3: Run the preparatory script, here you will also be able to choose the species you want to train your model on

Step 4 (optional): Preview and adjust your annotations (For when you are dealing with citizen science annotations)

Continue to Notebook 5 for training your ML model

Optional 2:

Running the cell provided will yield you a CSV file containing your classifications, it *should* be available in the csv directory in your bucket storage ready for download. As the CSV file is named after the date it was created, as of the written moment, you can only make one a day, unless you download it from the bucket and delete it from there.

Optional 3:

Running the provided code will yield a file with your classifications that you can then upload to GBIF/OBIS manually

And that’s all folks!