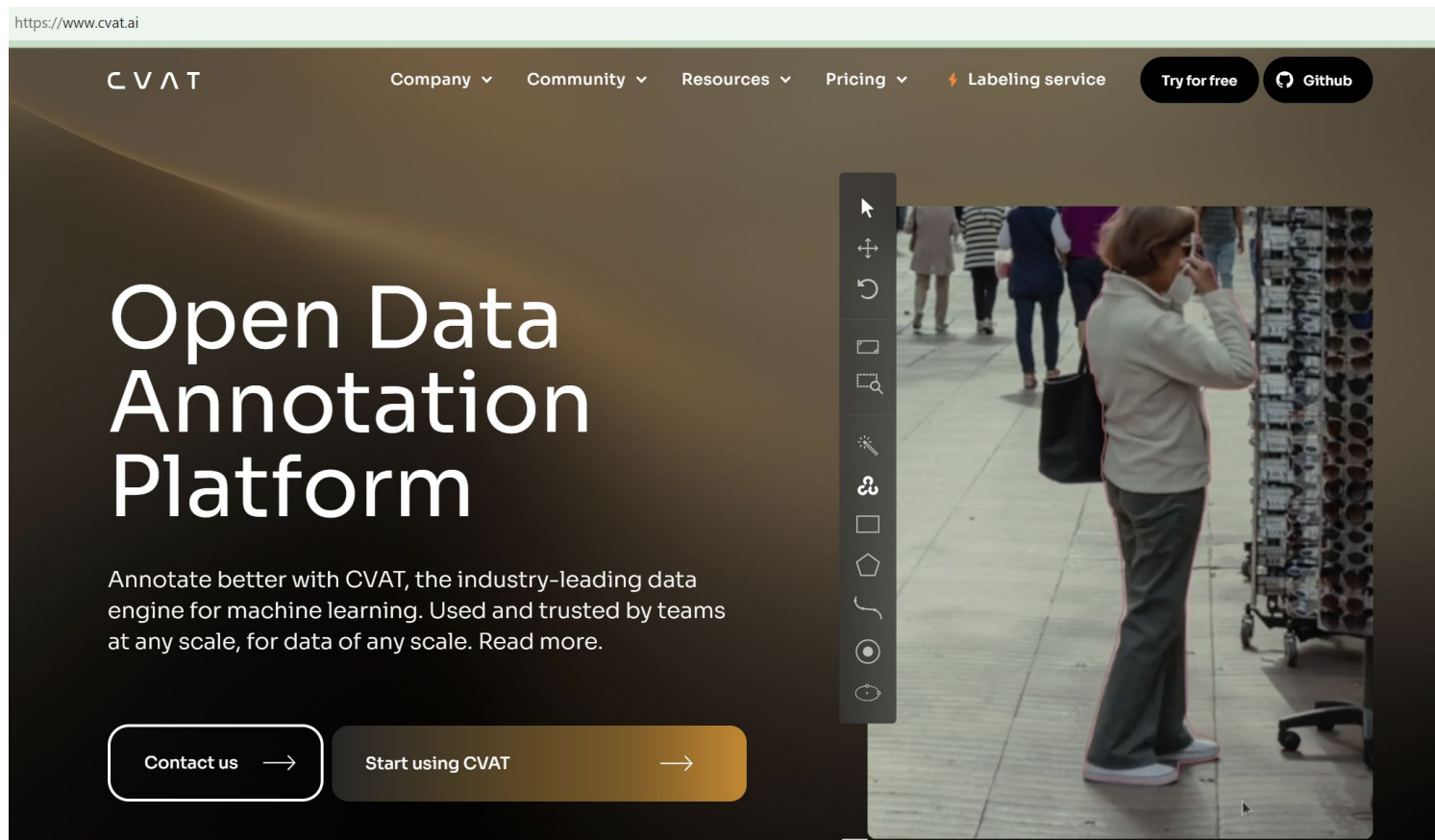


CS3 Research Experience for Teachers (RET)

CVAT Tutorial

Dr. Mehmet Kerem Turkcan

Enter the Website: <https://www.cvat.ai/>



Create a New Task

C V A T

Projects

Tasks

Jobs

Cloud Storages

Requests

Models

Search ...



Sort by 

Quick filters 

Filter 

Clear filters



No tasks created yet...

To get started with your annotation project
[create a new task](#) or try to [create a new project](#)

Press “Add Label”

Basic configuration

* Name

Windows 

Project

Select project

* Labels

 Raw

 Constructor

Add label 

Setup skeleton 

From model 

* Select files

My computer

Connected file share

Remote sources

Cloud Storage



Click or drag files to this area

You can upload an archive with images, a video, or multiple images.

Add label texts and press continue (cancel when you are done)

Basic configuration

* Name

Windows 

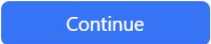
Project

Select project

* Labels

 Raw  Constructor

window  Any    Add an attribute 

If correctly done, you should see your label classes

Create a new task

Basic configuration

* Name

Windows 

Project

Select project

* Labels

 Raw  Constructor

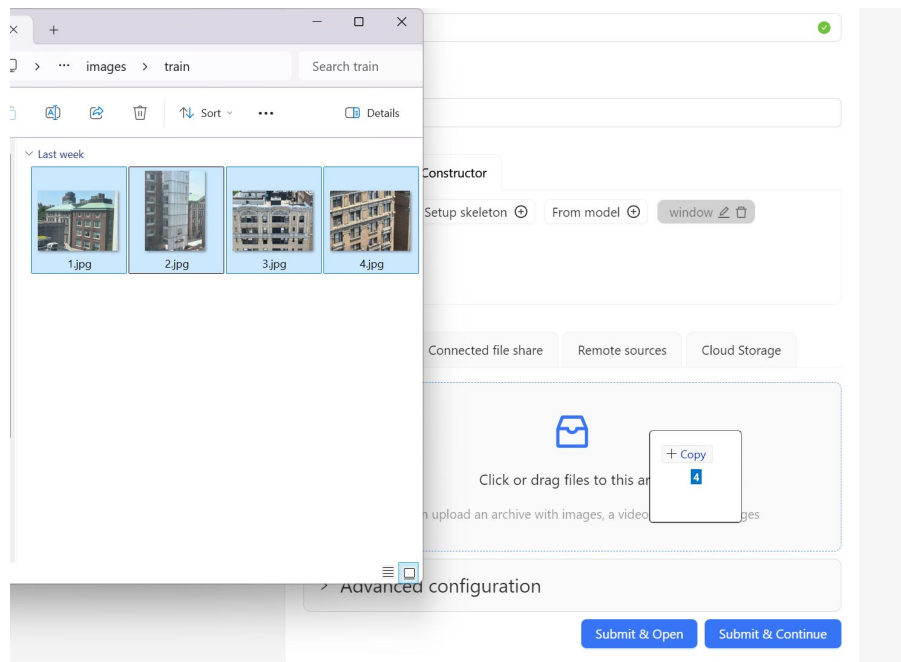
Add label 

Setup skeleton 

From model 

window  

Drag and drop your image files (could also be a .zip file containing them all)



Press “Submit & Open”

* Select files

My computer

Connected file share

Remote sources

Cloud Storage



Click or drag files to this area

You can upload an archive with images, a video, or multiple images

 3.jpg

 4.jpg

 1.jpg

 2.jpg

> Advanced configuration

Submit & Open

Submit & Continue

Press the “Job #XXXXX” (if you don’t see this screen, click on “Tasks” on top of your screen)

Windows [🔗](#)



Task #816660 Created by ser11 on July 23rd 2024

Assigned to

Task description

Edit

Issue Tracker [🔗](#)

[🔗](#) Raw

[🔗](#) Constructor

Add label [+](#)

Setup skeleton [+](#)

From model [+](#)

window [🔗](#) [🗑](#)

Jobs [📄](#) [Copy](#)

Sort by [☰](#)

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Clear filters

[+](#)

Job #1059549 [🔗](#)

Created on July 23rd 2024 14:22

Last updated July 23rd 2024 14:22

Assignee:

Select a user

Stage:

annotation [▼](#)

State:

new [▼](#)

📅 Duration: a few seconds

📄 Frame count: 4 (100%) [⋮](#)

📅 Frame range: 0-3

Get the Rectangle Tool and Press “Shape”



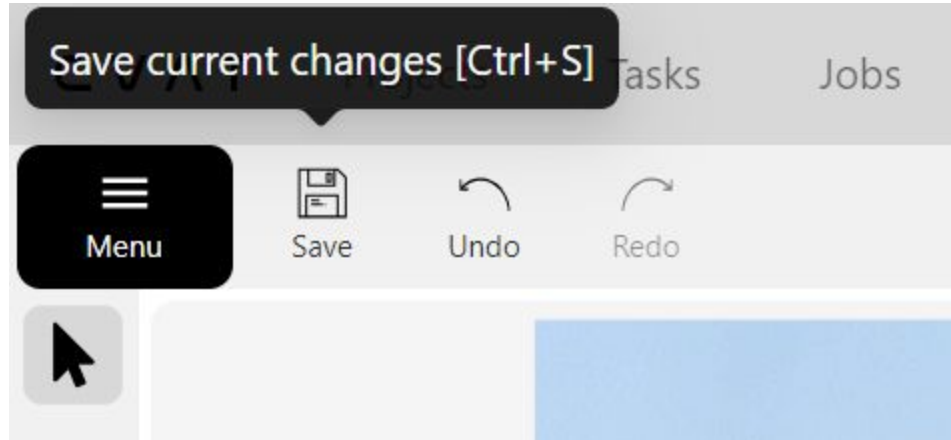
Label Objects with the Mouse, Press N To start a new Annotation



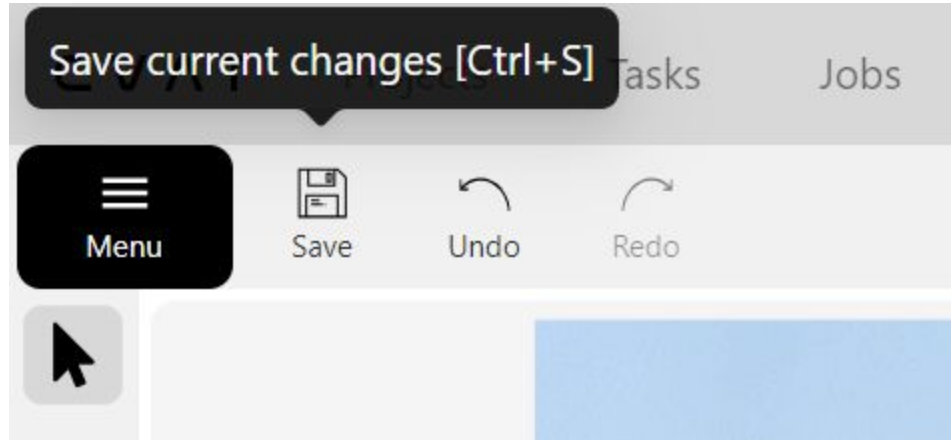
Hover over a New Annotation and Press the “DELETE” key to delete the annotation to remove mistakes



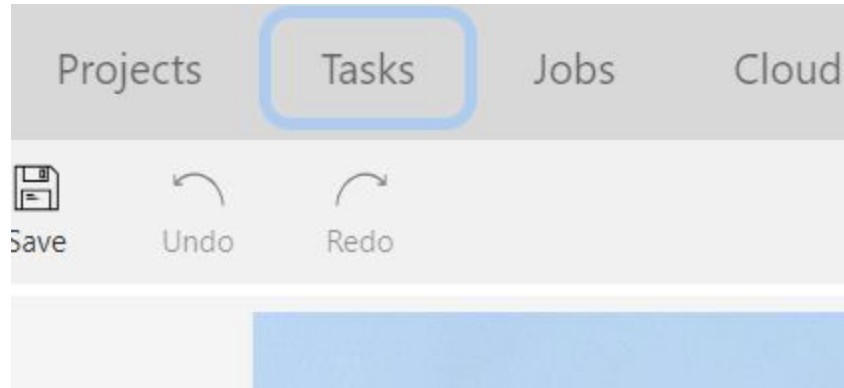
Click the save button to save changes



Click the save button to save changes



Click Tasks



Press “Open”

Jobs Cloud Storages Requests Models

Search ...



Sort by ≡

Quick filters ▾

Filter ▾

Clear filters



#816660: **Windows**

Created by ser11 on July 23rd 2024

Last updated a few seconds ago

• 1 annotating • 1 total

Open

Actions ⋮

Press “Open”

Jobs Cloud Storages Requests Models

Search ...



Sort by ≡

Quick filters ▾

Filter ▾

Clear filters



#816660: **Windows**

Created by ser11 on July 23rd 2024

Last updated a few seconds ago

• 1 annotating • 1 total

Open

Actions ⋮

Windows [✎](#)

Task #816660 Created by ser11 on July 23rd 2024

Assigned to

Task description

[Edit](#)Issue Tracker [✎](#)[✎](#) Raw[🔧](#) Constructor[+](#) Add label[+](#) Setup skeleton[+](#) From model[window](#) [✎](#) [🗑](#)Jobs [📄](#) [Copy](#)Sort by [⋮](#)Quick filters [▼](#)Filter [▼](#)

Clear filters

Job #1059549 [🔔](#)

Created on July 23rd 2024 14:22

Last updated July 23rd 2024 15:03

Assignee:

Stage:

annotation [▼](#)

State:

in progress [▼](#)[📅](#) Duration: 42 minutes☐ Frame count: 4 (100%) [⋮](#)[📅](#) Frame range: 0-3[<](#) [1](#) [>](#)

Go to the task

Go to the project

Go to the bug tracker

Import annotations

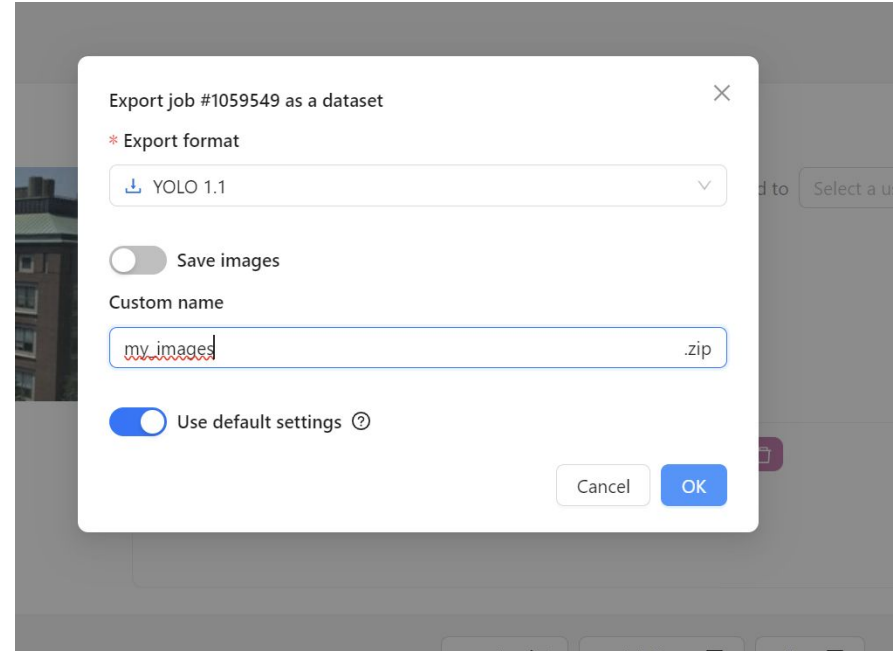
Export annotations

View analytics

Delete

Click the three dots and
press "export annotations"

Very Important!
Select YOLO 1.1 and press OK
to download the annotations



Actions



Export is finished



Export annotations for job 1059549 is finished.
You can [download it here](#)

Click the link

Export Annotations [Job #1059549](#)

Started by ser11 on Jul 23rd 24, 15:13

Expires on Jul 24th 24, 15:13

Finished



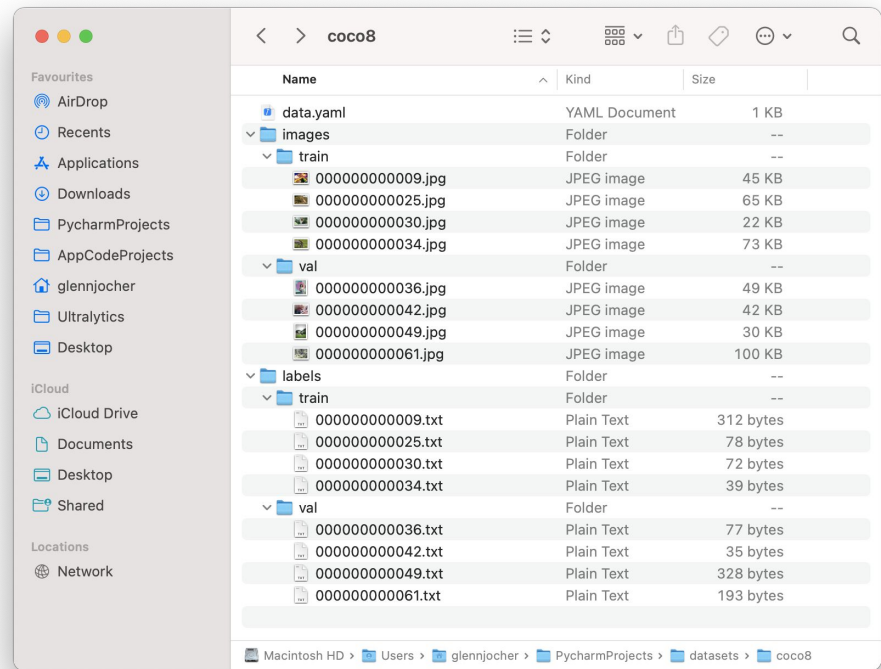
100.00%

YOLO 1.1

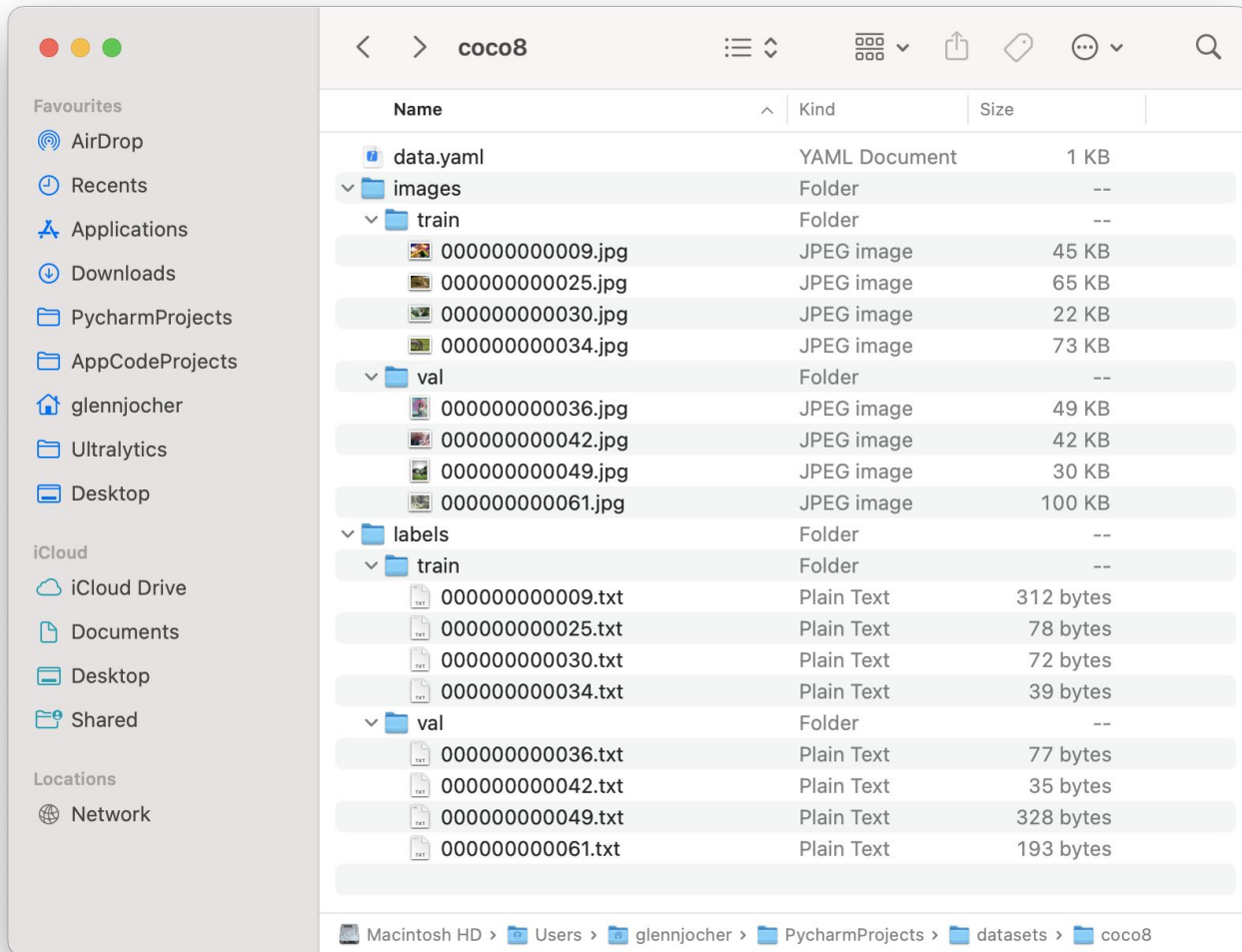


Download

**Click the three dots and
press download**



**Create a folder structure as shown
(example dataset is provided as
"windows.zip")**



```
[ ]: import os
import ultralytics
model = ultralytics.YOLO('yolov8n.pt')
results = model.train(data = 'data.yaml', epochs=100)
```



Use 4 lines to train your model! (More details below)