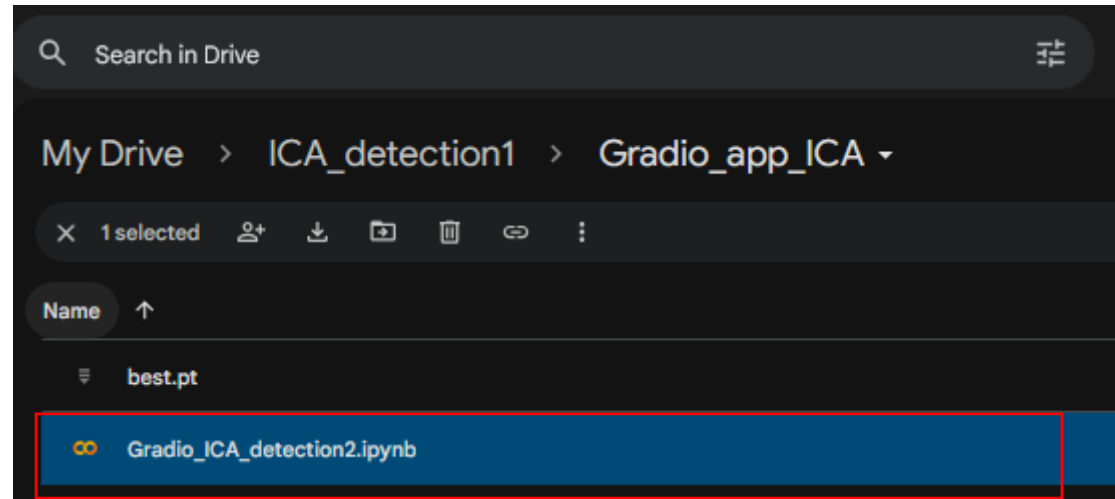
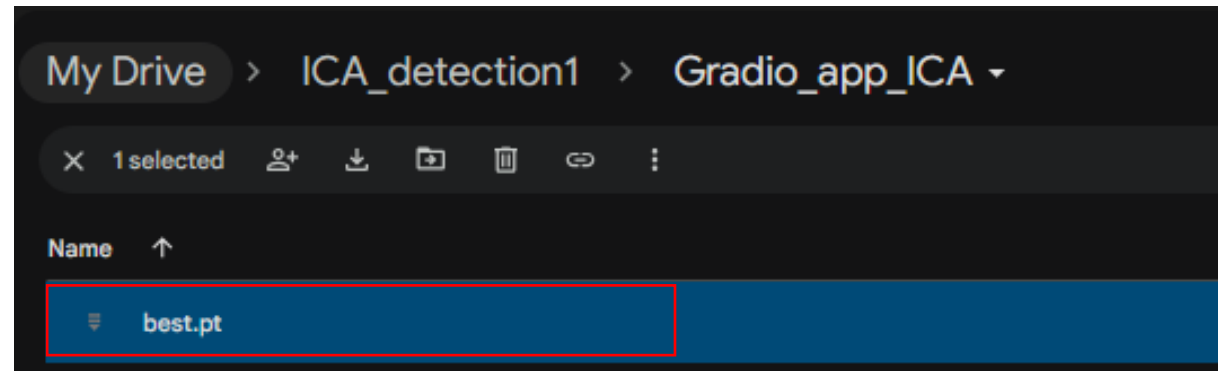


Gradio application for detection
of poor compliance ICP wave

Upload file.ipynb (Gradio_ICA_detection2.ipynb)
in your google drive

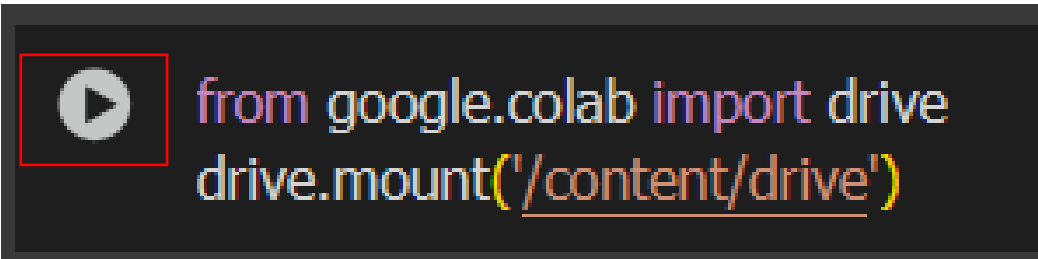


Upload best.pt in your google drive

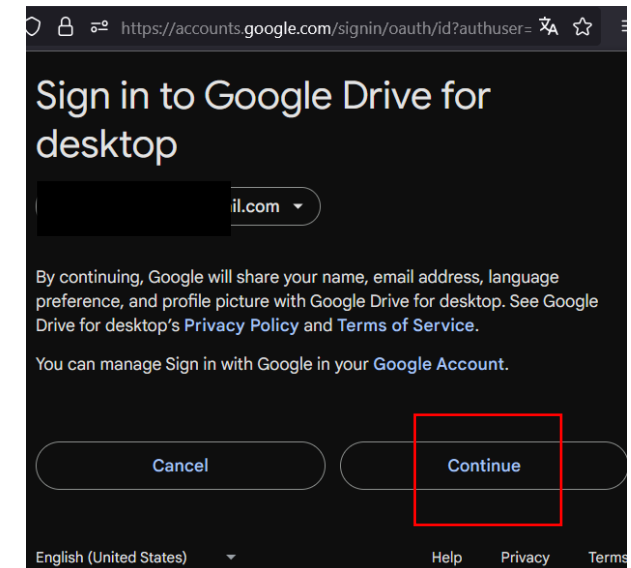


Open file.ipynb and run 1st script to mount your drive

click

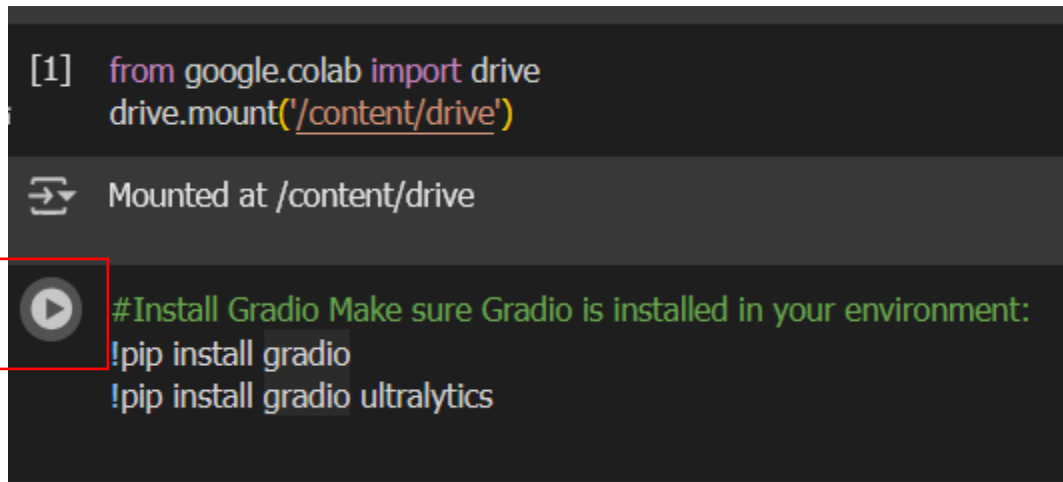


Then, consent to the mounting of your drive



run 2nd script to install gradio

click



The image shows a Google Colab interface. The first code cell contains the following Python code to mount Google Drive:

```
[1] from google.colab import drive
drive.mount('/content/drive')
```

Below the code cell, a message indicates the drive is mounted at `/content/drive`. The second code cell contains the following commands to install Gradio:

```
#Install Gradio Make sure Gradio is installed in your environment:
!pip install gradio
!pip install gradio ultralytics
```

A red box highlights the play button icon on the left of the second code cell, with the word "click" written in red to its left.

In 3rd script, modify to your path and then start script

YOLOv5 Inference with Gradio

```
import torch
import gradio as gr
from PIL import Image
import cv2
import numpy as np

# Load the trained YOLOv5 model
model = torch.hub.load('ultralytics/yolov5', 'custom', path='/content/drive/MyDrive/ICA_detection1/Gradio_app_ICA/best.pt') # Replace with your model path

# Define a function for inference
def detect_objects(image):
    # Convert Gradio's image to a format suitable for YOLOv5
    input_image = Image.fromarray(image)

    # Run inference
    results = model(input_image)

    # Render the results on the original image
    results.render() # Render adds boxes and labels to the image

    # Convert to numpy for displaying in Gradio
    output_image = results.ims[0]

    return output_image
```

ไฟล์

- drive
- MyDrive
 - ICA_detection1
 - Gradio_app_ICA
 - Gradio_ICA_detecti...
 - best.pt
 - test
 - train
 - valid
 - ICA1yolo
 - test_ICA2

ดาวน์โหลด
เปลี่ยนชื่อไฟล์
ลบไฟล์
คัดลอกเส้นทาง

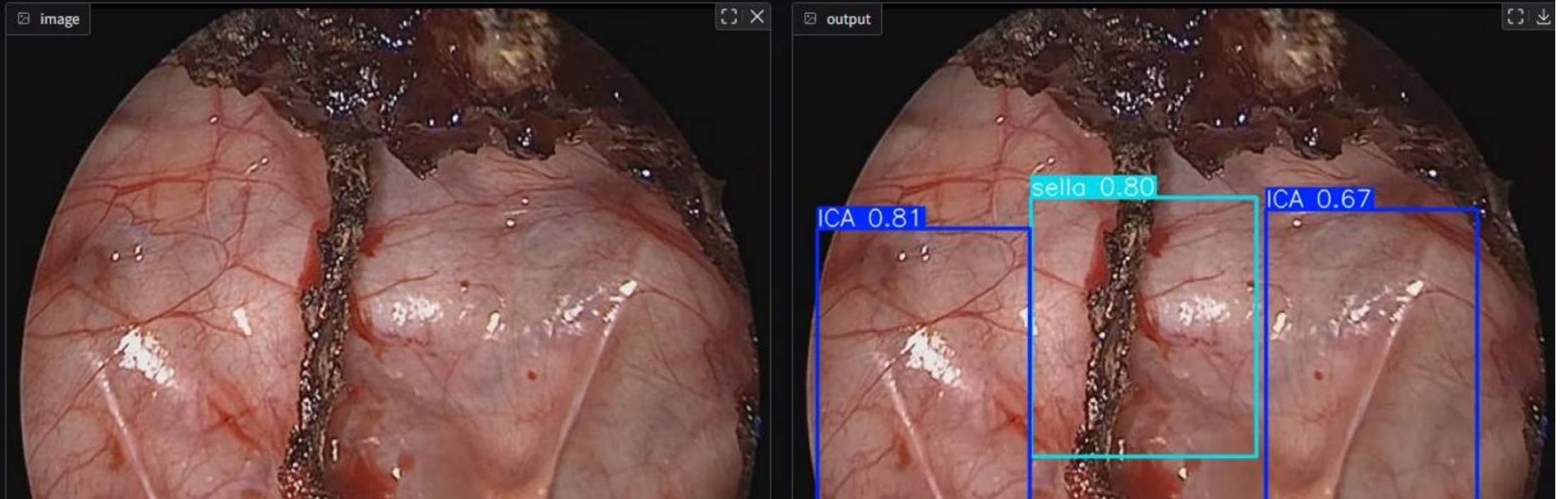
edit to your path

Gradio application will be launched

This share link expires in 72 hours. For free permanent hosting and GPU upgrades, run `gradio deploy` from the terminal in the working directory to deploy to Hugging Face Spaces (<https://huggingface.co/spaces>)

YOLOv5 Object Detection

Upload an image and the YOLOv5 model will detect objects.



Clear

Submit

Flag