

# **Installation Guide: AI Sack Counting System**

## **1. Install Python 3.8+**

- Recommended: use Anaconda or Python from [python.org](https://python.org)

## **2. Install required packages**

```
pip install ultralytics opencv-python numpy
```

### **3. (Optional) For tracking**

`pip install deep_sort_realtime`

## **4. Download the ZIP**

Unzip and navigate to the folder

## 5. Train YOLOv8 model

```
yolo task=detect mode=train model=yolov8n.pt data=data.yaml epochs=50 imgsz=640
```

## 6. Run counting script

```
python counting_with_tracking.py --source path_to_video.mp4
```

## 7. Stream from camera

```
python stream_camera.py --source rtsp://your-camera-url
```



## **Support**

If errors occur, check README.md or contact the instructor.