

Installation Guide: AI Sack Counting System

1. Install Python 3.8+

- Recommended: use Anaconda or Python from 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.