

File Edit View Insert Runtime Tools Help

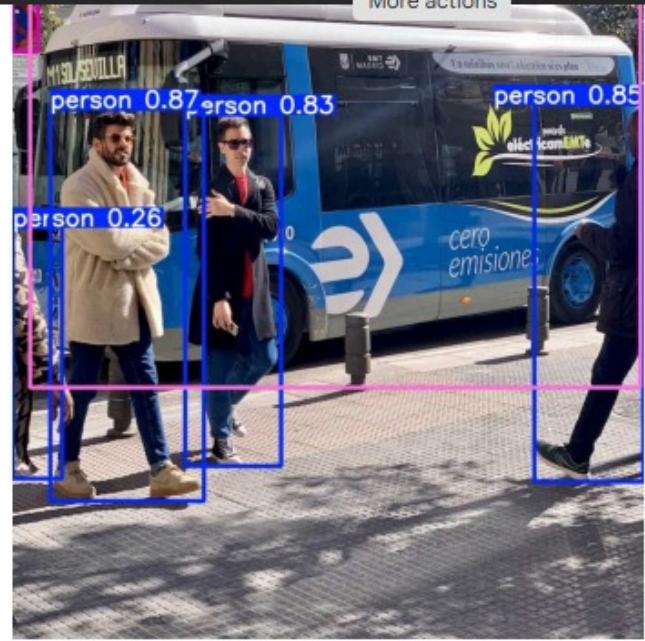
Commands + Code + Text | ▶ Run all ▾

[31]

```
|  
| !pip install -q ultralytics opencv-python matplotlib pillow requests  
|  
| import os, cv2, torch, requests  
| import matplotlib.pyplot as plt  
| from PIL import Image, ImageDraw  
| from ultralytics import YOLO  
|  
# -----  
# Load YOLOv8 pretrained model  
# -----  
device = "cuda" if torch.cuda.is_available() else "cpu"  
print("Device:", device)  
  
model = YOLO("yolov8n.pt") # 'n' = nano, fast and light  
model.to(device)  
  
# -----  
# Prepare test image  
# -----  
url = "https://github.com/ultralytics/assets/releases/download/v0.0.0/bus.jpg"  
img_path = "bus.jpg"  
  
try:  
    # Try to download sample image  
    if not os.path.exists(img_path):  
        r = requests.get(url, timeout=10)  
        if r.status_code == 200:  
            with open(img_path, "wb") as f:  
                f.write(r.content)  
                print("Downloaded sample image ✓")  
        else:  
            raise Exception("Failed to download")  
    except Exception:  
        # Create fallback synthetic image if download fails  
        print("⚠ Could not download image – creating synthetic sample instead.")  
        img = Image.new("RGB", (640, 480), (180, 180, 200))  
        draw = ImageDraw.Draw(img)
```

Commands + Code + Text ▶ Run all ▾

More actions

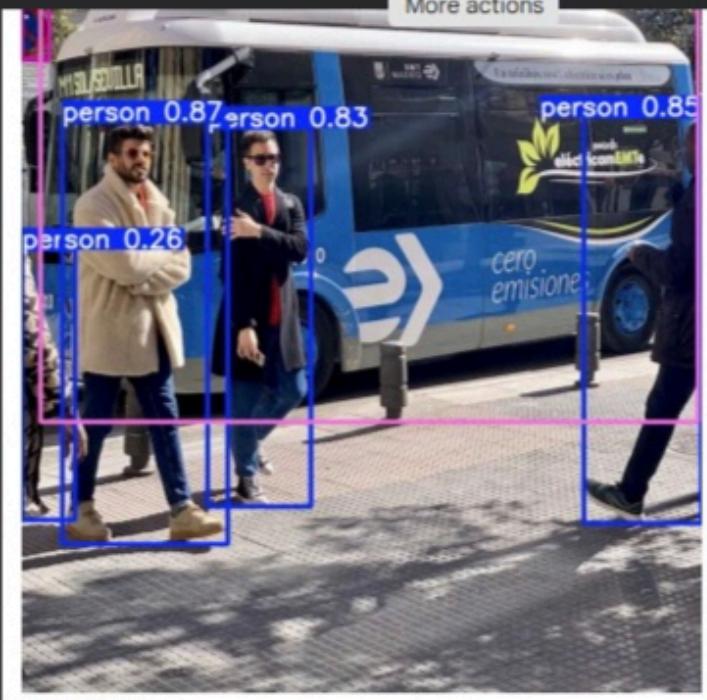


Detections:

- bus (confidence: 0.87) at [22.87, 231.28, 805.0, 756.84]
- person (confidence: 0.87) at [48.55, 398.55, 245.35, 902.7]
- person (confidence: 0.85) at [669.47, 392.19, 809.72, 877.04]
- person (confidence: 0.83) at [221.52, 405.8, 344.97, 857.54]
- person (confidence: 0.26) at [0.0, 550.53, 63.01, 873.44]
- stop sign (confidence: 0.26) at [0.06, 254.46, 32.56, 324.87]

Done – YOLOv8 detection complete.

Commands + Code + Text ▶ Run all ▾



Detections:

- bus (confidence: 0.87) at [22.87, 231.28, 805.0, 756.84]
- person (confidence: 0.87) at [48.55, 398.55, 245.35, 902.7]
- person (confidence: 0.85) at [669.47, 392.19, 809.72, 877.04]
- person (confidence: 0.83) at [221.52, 405.8, 344.97, 857.54]
- person (confidence: 0.26) at [0.0, 550.53, 63.01, 873.44]
- stop sign (confidence: 0.26) at [0.06, 254.46, 32.56, 324.87]

Done – YOLOv8 detection complete.