

# Invoice Partial Receipt YOLO Training Report

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## 1. Data Collection & Labeling

- Collected 200 invoice partial receipt images.
- Used LabelMe for annotation, assigning labels and modifying JSON files accordingly.
- Converted LabelMe annotations to YOLO format using labelme2yolo Python script.

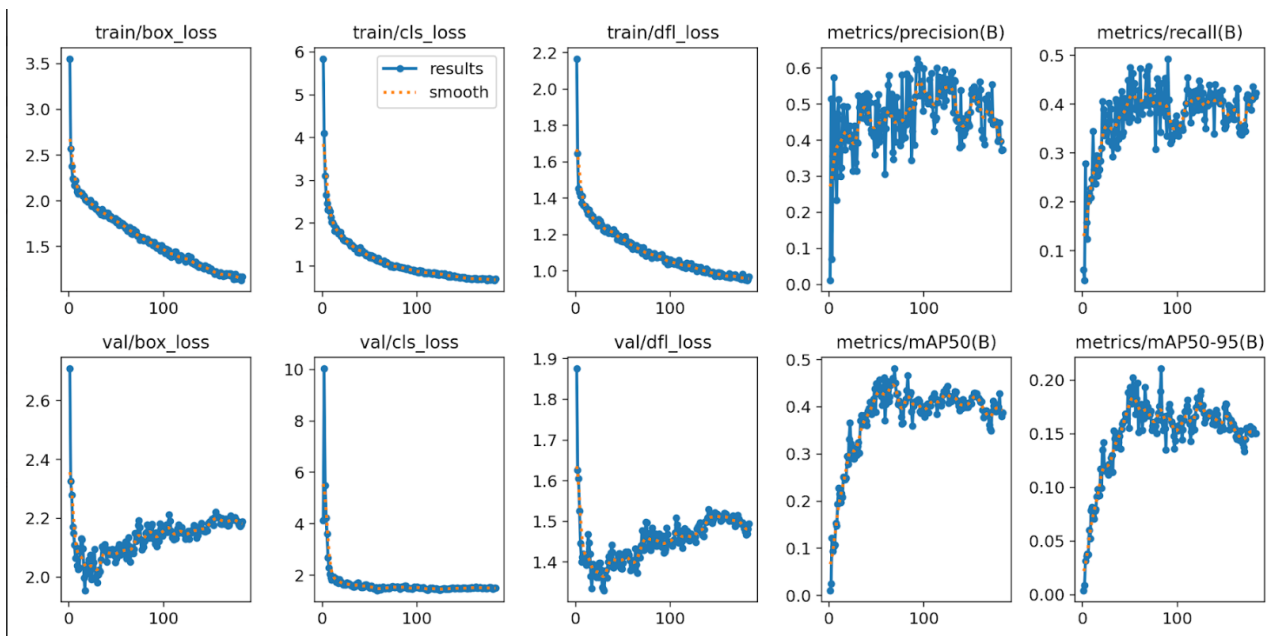
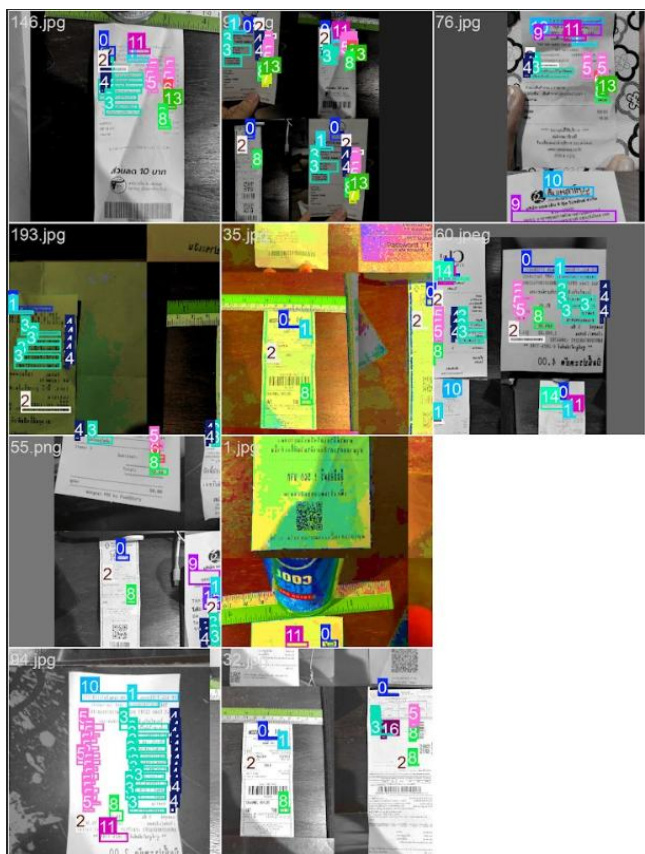
## 2. Model Preparation & Training

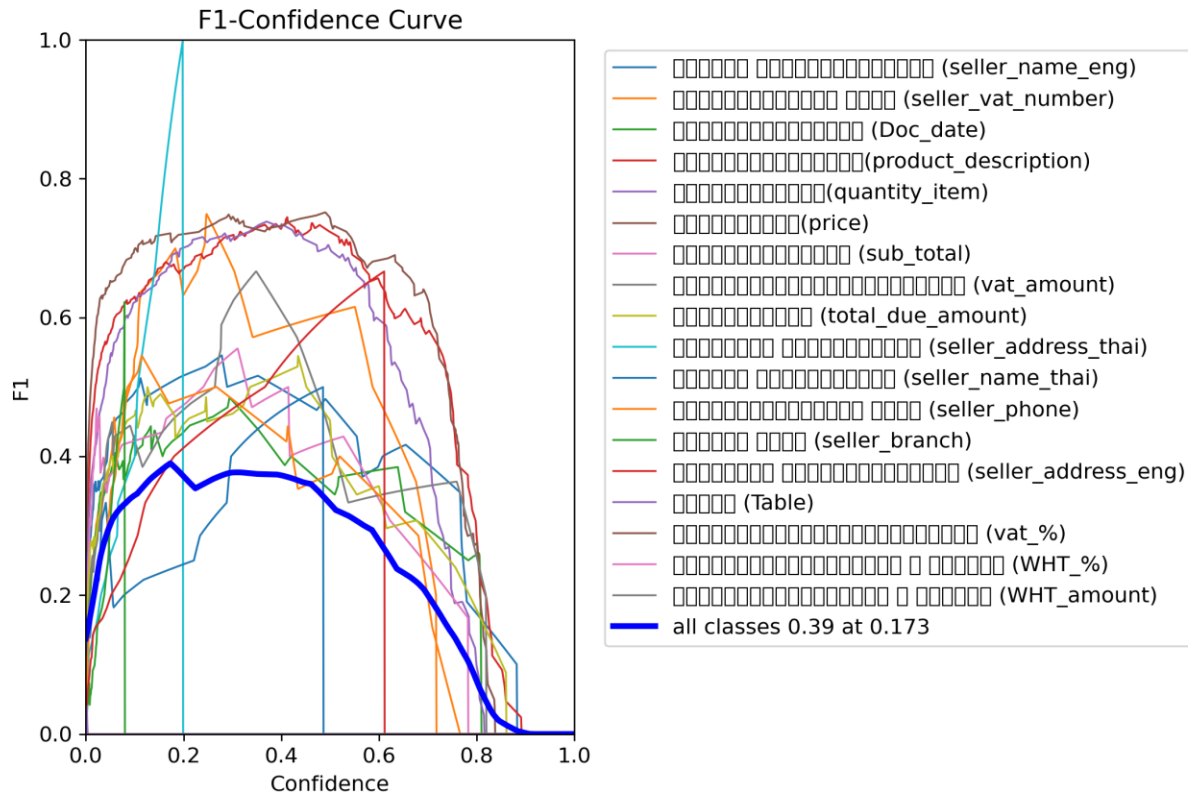
- Downloaded yolo11s.pt (pretrained YOLO model).
- Uploaded YOLO dataset, yolo11s.pt, and dataset.yaml to Google Drive.
- Trained YOLO model

Epoch 178/200	GPU_mem 2.99G Class all	box_loss 1.172 Images 20	cls_loss 0.6732 Instances 355	dfl_loss 0.9686 Box(P 0.397	Instances 256 R 0.388	Size 640: 100% 16/16 [00:06<00:00, 2.58it/s] mAP50 mAP50-95): 100% 1/1 [00:00<00:00, 2.45it/s] 0.392 0.15
Epoch 179/200	GPU_mem 2.95G Class all	box_loss 1.152 Images 20	cls_loss 0.6861 Instances 355	dfl_loss 0.9501 Box(P 0.401	Instances 263 R 0.41	Size 640: 100% 16/16 [00:04<00:00, 3.68it/s] mAP50 mAP50-95): 100% 1/1 [00:00<00:00, 3.15it/s] 0.4 0.151
Epoch 180/200	GPU_mem 2.77G Class all	box_loss 1.16 Images 20	cls_loss 0.6737 Instances 355	dfl_loss 0.9547 Box(P 0.449	Instances 305 R 0.436	Size 640: 100% 16/16 [00:06<00:00, 2.60it/s] mAP50 mAP50-95): 100% 1/1 [00:00<00:00, 2.83it/s] 0.428 0.155
Epoch 181/200	GPU_mem 2.79G Class all	box_loss 1.174 Images 20	cls_loss 0.6799 Instances 355	dfl_loss 0.9475 Box(P 0.398	Instances 327 R 0.416	Size 640: 100% 16/16 [00:04<00:00, 3.55it/s] mAP50 mAP50-95): 100% 1/1 [00:00<00:00, 3.15it/s] 0.389 0.151
Epoch 182/200	GPU_mem 2.81G Class all	box_loss 1.13 Images 20	cls_loss 0.6662 Instances 355	dfl_loss 0.9534 Box(P 0.373	Instances 211 R 0.415	Size 640: 100% 16/16 [00:05<00:00, 2.89it/s] mAP50 mAP50-95): 100% 1/1 [00:00<00:00, 2.09it/s] 0.38 0.15

- Prediction was performed using best.pt after training completion.

## Training Result





## Result Image

