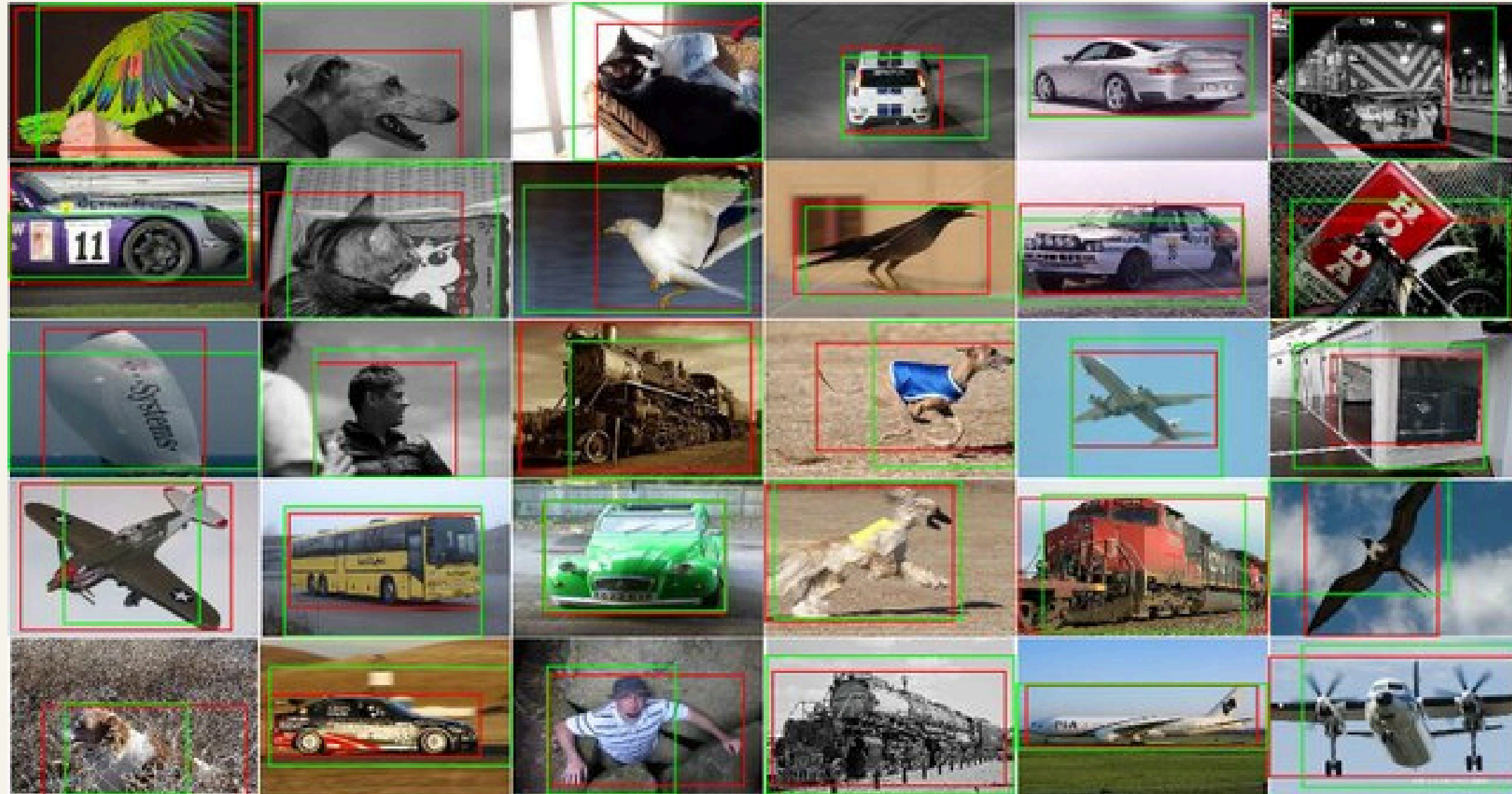
The background features three vertical stripes on the left: a wide pink stripe, a medium blue stripe, and a narrow beige stripe. The rest of the background is a light beige color with a pattern of small, faint pink dots arranged in a grid-like fashion, with some dots missing to create a sparse effect.

YOLO

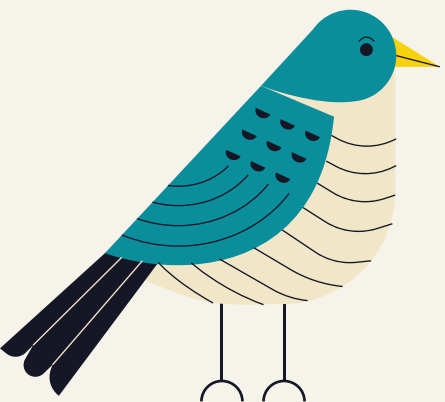
(You Only Look Once)

Presented By : Thanh Dang

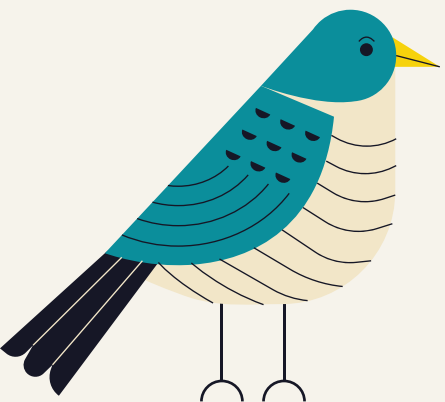
PASCAL VOC DATASET



20 classes. The train/val data has 11,530 images containing 27,450 ROI annotated objects and 6,929 segmentations.



CONVERT LABEL XML TO TXT



MODEL 1: TRAIN MODEL YOLOV5S

DATASETS PASCALVOC

Precision	Recall	mAP50	mAP50-95
0.279	0.286	0.191	0.0736

5 epochs completed in 44 minutes.



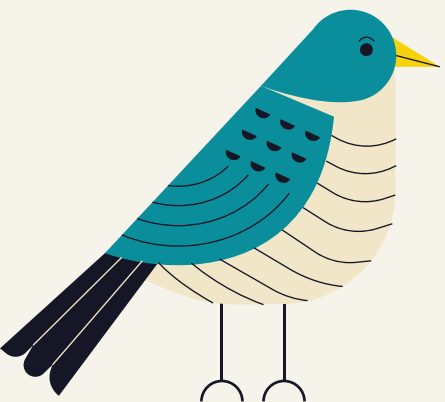
MODEL 1: TRAIN MODEL YOLOV5S

DATASETS PASCALVOC

Transfer learning with Freeze Backbone layers:

Precision	Recall	mAP50	mAP50-95
0.283	0.337	0.219	0.0857

5 epochs completed in 46.4minutes.



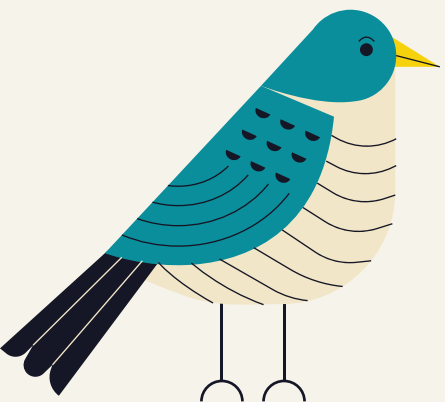
MODEL 1: TRAIN MODEL YOLOV5S

DATASETS PASCALVOC

Transfer learning with Freeze All layers:

Precision	Recall	mAP50	mAP50-95
0.222	0.304	0.167	0.0624

5 epochs completed in 42 minutes.



TEST SUMMARY

Model	Precision	Recall	mAP50	mAP50-95	Speech
yolov5s.pt (coco)	0.00552	0.0351	0.00308	0.000747	5.4ms
best.pt(pascal voc)	0.324	0.34	0.255	0.101	4.6ms (k khởi tạo và khởi tạo weigh)
best.pt (freeze Backbone layer)	0.327	0.361	0.262	0.101	4.7ms (frezee 25 và un 25)
best.pt (freeze all layer)	0.357	0.376	0.29	0.111	4.7ms

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THANK YOU

Presented By : Adeline Palmerston