

Train YOLOv3 Detector

Date	22/8/2022
Team ID	PNT2022TMID28486
Project Name	AI-based localization and classification of skin disease with erythema
Maximum Marks	Marks

- To start the training, run the training script from within the [yolo_structure /2_Training\](/2_Training/) directory:
- python Train_YOLO.py

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Anaconda Prompt (Anaconda3) - python Train_YOLO.py
41,7\n', 'C:/yolo_structure/Data/Source/Images/Training/Images/vott-csv-export/images%20(32).jpg 60,4,88,67,10 44,108,96
,136,10 129,24,163,81,10 178,107,258,145,10\n', 'C:/yolo_structure/Data/Source/Images/Training/Images/vott-csv-export/im
ages%20(34).jpg 167,80,217,135,0 71,98,110,165,0 150,113,222,162,0 132,89,168,163,0\n', 'C:/yolo_structure/Data/Source_I
source/Images/Training/Images/vott-csv-export/images%20(33).jpg 189,20,234,107,5 139,143,186,175,5\n', 'C:/yolo_structure/Data/S
81,215,5\n', 'C:/yolo_structure/vott-csv-export/images%20(35).jpg 104,34,175,140,5 12,50,82,140,5 116,144,170,216,5 19,154,
93,148,118,11 140,19,222,78,11\n', 'C:/yolo_structure/Data/Source/Images/Training/Images/vott-csv-export/images%20(36).jpg 78,38,130,88,11 79,
pg 124,69,178,137,6\n', 'C:/yolo_structure/Data/Source/Images/Training/Images/vott-csv-export/images%20(37).j
0,73,10 33,75,116,183,10 110,3,187,121,10\n', 'C:/yolo_structure/Data/Source/Images/Training/Images/vott-csv-export/images%20(38).jpg 29,7,269,160,6\n', 'C:/yolo_structure/Data/Source/Images/Training/Images/vott-csv-export/imag
es%20(38).jpg 29,7,269,160,6\n', 'C:/yolo_structure/Data/Source/Images/Training/Images/vott-csv-export/images%20(4).jpg
94,55,198,142,6\n', 'C:/yolo_structure/Data/Source/Images/Training/Images/vott-csv-export/images%20(4).jpg
1,9\n', 'C:/yolo_structure/Data/Source/Images/Training/Images/vott-csv-export/images%20(40).jpg 68,32,197,15
,28,9 115,23,142,56,9 104,109,141,132,9 101,150,135,172,9 80,176,125,213,9 141,150,183,193,9 51,124,80,152,9 60,98,100,1
20,9 2,84,23,124,9 12,146,58,199,9\n', 'C:/yolo_structure/Data/Source/Images/Training/Images/vott-csv-export/images%20(4
1).jpg 33,90,138,178,6\n', 'C:/yolo_structure/Data/Source/Images/Training/Images/vott-csv-export/images%20(42).jpg 60,31
,154,105,10 127,78,167,133,10\n', 'C:/yolo_structure/Data/Source/Images/Training/Images/vott-csv-export/images%20(44).jp
g 26,46,124,137,5 143,47,234,140,5\n', 'C:/yolo_structure/Data/Source/Images/Training/Images/vott-csv-export/images%20(4
5).jpg 49,45,99,106,7 109,140,162,174,7 147,65,178,113,7 198,135,220,152,7 24,9,54,41,7 177,4,200,28,7 187,78,211,116,7\
n', 'C:/yolo_structure/Data/Source/Images/Training/Images/vott-csv-export/images%20(46).jpg 106,32,171,151,10\n', 'C:/yo
lo_structure/Data/Source/Images/Training/Images/vott-csv-export/images%20(48).jpg 45,71,115,120,5 134,91,230,129,5\n', '
C:/yolo_structure/Data/Source/Images/Training/Images/vott-csv-export/images%20(47).jpg 97,34,199,131,3\n', 'C:/yolo_stru
cture/Data/Source/Images/Training/Images/vott-csv-export/images%20(49).jpg 49,55,189,155,5\n', 'C:/yolo_structure/Data/S
ource/Images/Training/Images/vott-csv-export/images%20(5).jpg 47,18,114,138,7\n', 'C:/yolo_structure/Data/Source/Images/
Training/Images/vott-csv-export/images%20(50).jpg 132,42,201,117,7 194,134,231,174,7 48,151,83,185,7\n', 'C:/yolo_stru
cture/Data/Source/Images/Training/Images/vott-csv-export/images%20(7).jpg 176,83,249,156,4\n', 'C:/yolo_structure/Data/Sou
rce/Images/Training/Images/vott-csv-export/images%20(8).jpg 0,3,170,107,5 197,21,247,90,7\n', 'C:/yolo_structure/Data/So
urce/Images/Training/Images/vott-csv-export/images%20(6).jpg 110,155,153,201,5\n', 'C:/yolo_structure/Data/Source/Images
/Training/Images/vott-csv-export/images%20(9).jpg 121,33,169,88,7 124,108,178,150,7 46,102,96,187,7']
train on 45 samples, val on 5 samples, with batch size 32.

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And Epoch running

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20,9 2,84,23,124,9 12,140,58,199,9 \n'  
1).jpg 33,90,138,178,6\n', 'C:/yolo_s  
,154,105,10 127,78,167,133,10\n', 'C:  
g 26,46,124,137,5 143,47,234,140,5\n',  
5).jpg 49,45,99,106,7 109,140,162,174,  
n', 'C:/yolo_structure/Data/Source_Ima  
lo_structure/Data/Source_Images/Traini  
C:/yolo_structure/Data/Source_Images/T  
cture/Data/Source_Images/Training_Imag  
ource_Images/Training_Images/vott-csv-e  
Training_Images/vott-csv-export/images%  
ure/Data/Source_Images/Training_Images/  
rce_Images/Training_Images/vott-csv-exp  
urce_Images/Training_Images/vott-csv-exp  
/Training_Images/vott-csv-export/images%  
Train on 45 samples, val on 5 samples, w  
Epoch 1/51
```

The final weights are saved in
[`yolo_structure/Data/Model_weights`](/Data/Model_weights).

