

Work Report

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Today I have trained the model 3 times

1. First with 60 epoches

The learning rate- 0.01

The model doesnot show fluctuation in loss after ven 60 poches

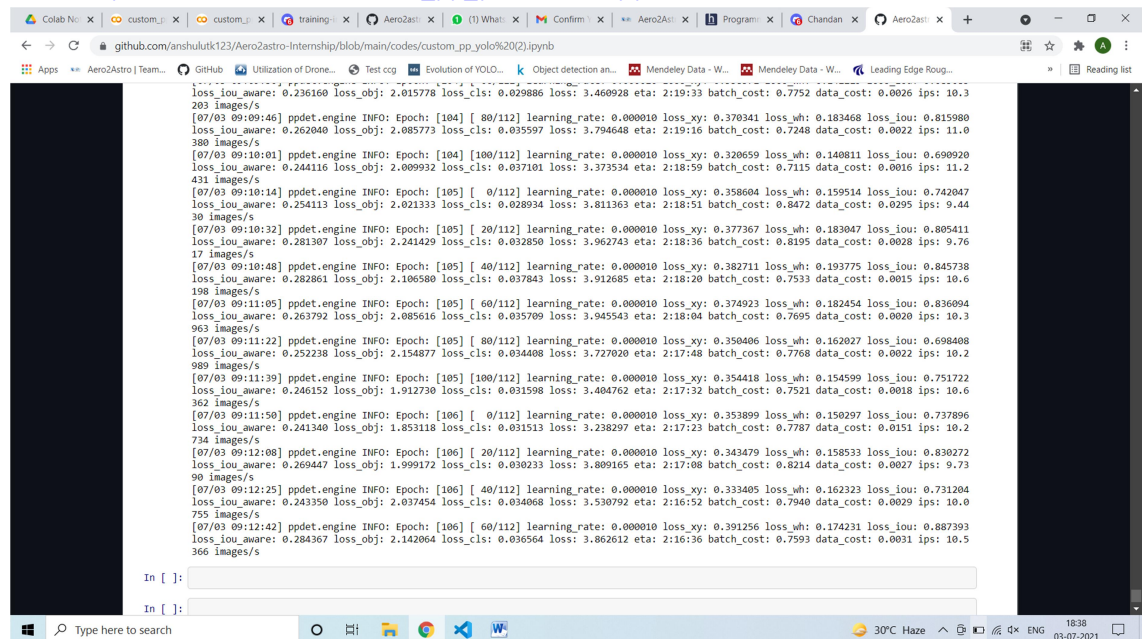
2. Now I trained the model with 200 epoches with same learning rate
this time the loss become Nan after 30 epoches that's why I have stopped it in middle

3. Third time I train the model on 200 epoches
This time the learning rate is divided by 10 i.e. 0.001

I have trained till 106 epoches then the gpu limit exceed , so I have to train again.

The last saved weight was at 97 epoches so I have tried to detect the object using the weights at 97 epoches, but the model still does not detect anything yet.

Github link- [https://github.com/anshulutk123/Aero2astro-Internship/blob/main/codes/custom_pp_yolo%20\(2\).ipynb](https://github.com/anshulutk123/Aero2astro-Internship/blob/main/codes/custom_pp_yolo%20(2).ipynb)



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loss_iou_aware: 0.236160 loss_obj: 2.015778 loss_cls: 0.029886 loss: 3.460928 eta: 2:19:33 batch_cost: 0.7752 data_cost: 0.0026 ips: 10.3
203 images/s
[07/03 09:09:46] ppdet.engine INFO: Epoch: [104] [ 80/112] learning_rate: 0.000010 loss_xy: 0.370341 loss_wh: 0.183468 loss_iou: 0.815980
loss_iou_aware: 0.262040 loss_obj: 2.085773 loss_cls: 0.035597 loss: 3.794648 eta: 2:19:16 batch_cost: 0.7248 data_cost: 0.0022 ips: 11.0
380 images/s
[07/03 09:10:01] ppdet.engine INFO: Epoch: [104] [100/112] learning_rate: 0.000010 loss_xy: 0.320659 loss_wh: 0.140811 loss_iou: 0.690920
loss_iou_aware: 0.244116 loss_obj: 2.009932 loss_cls: 0.037101 loss: 3.373534 eta: 2:18:59 batch_cost: 0.7115 data_cost: 0.0016 ips: 11.2
431 images/s
[07/03 09:10:14] ppdet.engine INFO: Epoch: [105] [ 0/112] learning_rate: 0.000010 loss_xy: 0.358604 loss_wh: 0.159514 loss_iou: 0.742047
loss_iou_aware: 0.254113 loss_obj: 2.021333 loss_cls: 0.028934 loss: 3.811363 eta: 2:18:51 batch_cost: 0.8472 data_cost: 0.0295 ips: 9.44
30 images/s
[07/03 09:10:32] ppdet.engine INFO: Epoch: [105] [ 20/112] learning_rate: 0.000010 loss_xy: 0.377367 loss_wh: 0.183047 loss_iou: 0.805411
loss_iou_aware: 0.281307 loss_obj: 2.241429 loss_cls: 0.032850 loss: 3.962743 eta: 2:18:36 batch_cost: 0.8195 data_cost: 0.0028 ips: 9.76
17 images/s
[07/03 09:10:48] ppdet.engine INFO: Epoch: [105] [ 40/112] learning_rate: 0.000010 loss_xy: 0.382711 loss_wh: 0.193775 loss_iou: 0.845738
loss_iou_aware: 0.282861 loss_obj: 2.106580 loss_cls: 0.037843 loss: 3.912685 eta: 2:18:20 batch_cost: 0.7533 data_cost: 0.0015 ips: 10.6
198 images/s
[07/03 09:11:05] ppdet.engine INFO: Epoch: [105] [ 60/112] learning_rate: 0.000010 loss_xy: 0.374923 loss_wh: 0.182454 loss_iou: 0.836094
loss_iou_aware: 0.263792 loss_obj: 2.085616 loss_cls: 0.035709 loss: 3.945543 eta: 2:18:04 batch_cost: 0.7695 data_cost: 0.0020 ips: 10.3
963 images/s
[07/03 09:11:22] ppdet.engine INFO: Epoch: [105] [ 80/112] learning_rate: 0.000010 loss_xy: 0.350406 loss_wh: 0.162027 loss_iou: 0.698408
loss_iou_aware: 0.252238 loss_obj: 2.154877 loss_cls: 0.034408 loss: 3.727020 eta: 2:17:48 batch_cost: 0.7768 data_cost: 0.0022 ips: 10.2
989 images/s
[07/03 09:11:39] ppdet.engine INFO: Epoch: [105] [100/112] learning_rate: 0.000010 loss_xy: 0.354418 loss_wh: 0.154599 loss_iou: 0.751722
loss_iou_aware: 0.246152 loss_obj: 1.912730 loss_cls: 0.031598 loss: 3.404762 eta: 2:17:32 batch_cost: 0.7521 data_cost: 0.0018 ips: 10.6
362 images/s
[07/03 09:11:50] ppdet.engine INFO: Epoch: [106] [ 0/112] learning_rate: 0.000010 loss_xy: 0.353899 loss_wh: 0.150297 loss_iou: 0.737896
loss_iou_aware: 0.241340 loss_obj: 1.853118 loss_cls: 0.031513 loss: 3.238297 eta: 2:17:23 batch_cost: 0.7787 data_cost: 0.0151 ips: 10.2
734 images/s
[07/03 09:12:08] ppdet.engine INFO: Epoch: [106] [ 20/112] learning_rate: 0.000010 loss_xy: 0.343479 loss_wh: 0.158533 loss_iou: 0.830272
loss_iou_aware: 0.269447 loss_obj: 1.999172 loss_cls: 0.030233 loss: 3.809165 eta: 2:17:08 batch_cost: 0.8214 data_cost: 0.0027 ips: 9.73
90 images/s
[07/03 09:12:25] ppdet.engine INFO: Epoch: [106] [ 40/112] learning_rate: 0.000010 loss_xy: 0.333405 loss_wh: 0.162323 loss_iou: 0.731204
loss_iou_aware: 0.243350 loss_obj: 2.037454 loss_cls: 0.034068 loss: 3.530792 eta: 2:16:52 batch_cost: 0.7940 data_cost: 0.0029 ips: 10.0
755 images/s
[07/03 09:12:42] ppdet.engine INFO: Epoch: [106] [ 60/112] learning_rate: 0.000010 loss_xy: 0.391256 loss_wh: 0.174231 loss_iou: 0.887393
loss_iou_aware: 0.284367 loss_obj: 2.142064 loss_cls: 0.036564 loss: 3.862612 eta: 2:16:36 batch_cost: 0.7593 data_cost: 0.0031 ips: 10.5
366 images/s

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