

Work report 14 july 2021

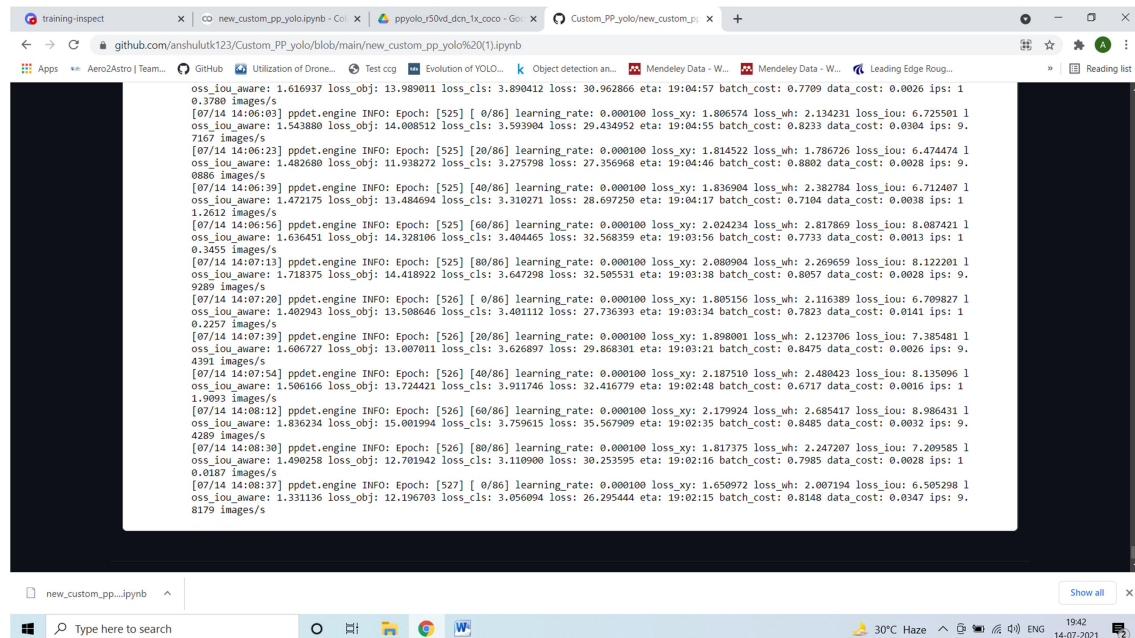
Today I have continued the training of the model. Till now I have got to 526 epoches The loss is still around 30 to 33.

I was training on learning rate 0.001 and Batch size 8 with 500 instances of 6 classes.

After 200 epoches gpu limit have reached so I have changed the gmail id and continued the training.

Github link -

[https://github.com/anshulutk123/Custom_PP_yolo/blob/main/new_custom_pp_yolo%20\(1\).ipynb](https://github.com/anshulutk123/Custom_PP_yolo/blob/main/new_custom_pp_yolo%20(1).ipynb)



```
oss_iou_aware: 1.616937 loss_obj: 13.989011 loss_cls: 3.890412 loss: 30.962866 eta: 19:04:57 batch_cost: 0.7709 data_cost: 0.0026 ips: 1
0.3780 images/s
[07/14 14:06:03] ppdet.engine INFO: Epoch: [525] [ 0/86] learning_rate: 0.000100 loss_xy: 1.806574 loss_wh: 2.134231 loss_iou: 6.725501 l
oss_iou_aware: 1.543880 loss_obj: 14.008512 loss_cls: 3.593904 loss: 29.434952 eta: 19:04:55 batch_cost: 0.8233 data_cost: 0.0304 ips: 9.
7167 images/s
[07/14 14:06:23] ppdet.engine INFO: Epoch: [525] [20/86] learning_rate: 0.000100 loss_xy: 1.814522 loss_wh: 1.786726 loss_iou: 6.474474 l
oss_iou_aware: 1.482680 loss_obj: 11.938272 loss_cls: 3.275798 loss: 27.356968 eta: 19:04:46 batch_cost: 0.8802 data_cost: 0.0028 ips: 9.
0886 images/s
[07/14 14:06:39] ppdet.engine INFO: Epoch: [525] [40/86] learning_rate: 0.000100 loss_xy: 1.836904 loss_wh: 2.382784 loss_iou: 6.712407 l
oss_iou_aware: 1.472175 loss_obj: 13.484694 loss_cls: 3.310271 loss: 28.697250 eta: 19:04:17 batch_cost: 0.7104 data_cost: 0.0038 ips: 1
1.2612 images/s
[07/14 14:06:56] ppdet.engine INFO: Epoch: [525] [60/86] learning_rate: 0.000100 loss_xy: 2.024234 loss_wh: 2.817869 loss_iou: 8.087421 l
oss_iou_aware: 1.636451 loss_obj: 14.328106 loss_cls: 3.404465 loss: 32.568359 eta: 19:03:56 batch_cost: 0.7733 data_cost: 0.0013 ips: 1
0.3455 images/s
[07/14 14:07:13] ppdet.engine INFO: Epoch: [525] [80/86] learning_rate: 0.000100 loss_xy: 2.080904 loss_wh: 2.269659 loss_iou: 8.122201 l
oss_iou_aware: 1.718375 loss_obj: 14.418922 loss_cls: 3.647298 loss: 32.505531 eta: 19:03:38 batch_cost: 0.8057 data_cost: 0.0028 ips: 9.
9289 images/s
[07/14 14:07:20] ppdet.engine INFO: Epoch: [526] [ 0/86] learning_rate: 0.000100 loss_xy: 1.805156 loss_wh: 2.116389 loss_iou: 6.709827 l
oss_iou_aware: 1.402943 loss_obj: 13.508646 loss_cls: 3.401112 loss: 27.736393 eta: 19:03:34 batch_cost: 0.7823 data_cost: 0.0141 ips: 1
0.2257 images/s
[07/14 14:07:39] ppdet.engine INFO: Epoch: [526] [20/86] learning_rate: 0.000100 loss_xy: 1.898001 loss_wh: 2.123706 loss_iou: 7.385481 l
oss_iou_aware: 1.606727 loss_obj: 13.007011 loss_cls: 3.626897 loss: 29.868301 eta: 19:03:21 batch_cost: 0.8475 data_cost: 0.0026 ips: 9.
4391 images/s
[07/14 14:07:54] ppdet.engine INFO: Epoch: [526] [40/86] learning_rate: 0.000100 loss_xy: 2.187510 loss_wh: 2.480423 loss_iou: 8.135096 l
oss_iou_aware: 1.506166 loss_obj: 13.724421 loss_cls: 3.911746 loss: 32.416779 eta: 19:02:48 batch_cost: 0.6717 data_cost: 0.0016 ips: 1
1.9093 images/s
[07/14 14:08:12] ppdet.engine INFO: Epoch: [526] [60/86] learning_rate: 0.000100 loss_xy: 2.179924 loss_wh: 2.685417 loss_iou: 8.986431 l
oss_iou_aware: 1.836234 loss_obj: 15.001994 loss_cls: 3.759615 loss: 35.567909 eta: 19:02:35 batch_cost: 0.8485 data_cost: 0.0032 ips: 9.
4289 images/s
[07/14 14:08:30] ppdet.engine INFO: Epoch: [526] [80/86] learning_rate: 0.000100 loss_xy: 1.817375 loss_wh: 2.247207 loss_iou: 7.209585 l
oss_iou_aware: 1.490258 loss_obj: 12.701942 loss_cls: 3.110900 loss: 30.253595 eta: 19:02:16 batch_cost: 0.7985 data_cost: 0.0028 ips: 1
0.0187 images/s
[07/14 14:08:37] ppdet.engine INFO: Epoch: [527] [ 0/86] learning_rate: 0.000100 loss_xy: 1.650972 loss_wh: 2.007194 loss_iou: 6.505298 l
oss_iou_aware: 1.331136 loss_obj: 12.196703 loss_cls: 3.856094 loss: 26.295444 eta: 19:02:15 batch_cost: 0.8148 data_cost: 0.0347 ips: 9.
8179 images/s
```

Note:

1. Last time when I was training the model on pp yolo there were a lot of issues regarding runtime disconnection occurs but this time I have trained the model for around 15 hours no such problems have been faced.