10 experiments

Aa Name	☰ Dataset source	☰ Dataset format	☰ TAO version	☰ Pretrain model?	☰ Platform	# mAP	☰ % change TAO upgrade	☰ Comments
E 1	Std	Kitti	3.21.08	yes - resnet18	Notebook	0.63		20 epochs still improving, just interested in comparative performance
E 2	Std	Kitti	4.0.1	yes - resnet18	Notebook	0.81	+29%	20 epochs still improving, but the mAP is high (accidentally killed)
E 3	Std	TFRecords - created in TAO3	3.21.08	yes - resnet18	Notebook	0.62		20 epochs still improving, just interested in comparative performance
E 4	Std	TFRecords - created in TAO3	4.0.1	yes - resnet18	Notebook	0.83	+34%	The loss skyrockets here. But the mAP is high! It's still improving after 20 epochs but we only want comparative performance
E 5	P057_ft_v1	TFRecords - created in TAO3	3.21.08	no	Notebook	0.196		mAP after 20 epochs is 0.00027. Trained until epoch 200
E 6	P057_ft_v1	TFRecords - created in TAO3	4.0.1	no	Notebook	0.23	+17%	mAP after 20 epochs is 0.00004. Trained until epoch 200
E 9	P057_ft_v1	Kitti	3.21.08	no	Notebook	0.1887		mAP after 20 epochs is 0.00108. Trained until epoch 200

Name	Dataset source	Dataset format	TAO version	Pretrain model?	Platform	# mAP	% change TAO upgrade	Comments
E 10	P057_ft_v1	Kitti	4.0.1	no	Notebook	0.1347	-29%	mAP after 20 epochs 0.00036. Trained until epoch 200
E 7	P057_ft_v1	Kitti	3.21.08	no	AzureML	0.15		200 epochs and seemingly still improving - on our own infra azureml
E 8	P057_ft_v1	Kitti	4.0.1	no	AzureML	0.07	-53%	200 epochs (minimal improvement after this up to 0.09 in epoch 500)