VQA

Feb 24, 2021 to Mar 03, 2021

FIXSTARS®
Speed up your Business

Training Update

➔ Trial 1 vqa experiments are almost finished

vqa	find w BN	1	26,27	500-515	Done	DGX1
	res w BN			516-531	Done	DGX1
	find wo BN			532-547	Done	OpenMind: node(
	res wo BN			548-563	Done	OpenMind
	half sep find			564-579	Done	FSS DGX1
	sep find			580-595	Done	DGX1
	sep res			596-611	Ongoing	OpenMind

multitask	find w BN	1	15-18,26,27	1116-1163	Done	FSS DGX1
	res w BN			1164-1211		
	find wo BN			1212-1259	Done	FSS DGX1
	res wo BN			1260-1307	Ongoing	FSS DGX1
	half sep find			1308-1355	Ongoing	FSS DGX1
	sep find			1356-1403		
	sep res			1404-1451	Ongoing	DGX1

Batch size concern

- We noticed that for all architectures:
  - Batch size 256 takes 2x more time than 128 batch size
  - Are we reading the data twice?

Progress Table

Tag	Status	Progress	BestValAcc	Elapsed Time
train_1260	In Progress...	48.8%	0.4873046875	3 days, 9:50:18.015241
train_1261	In Progress...	92.8%	0.265625	3 days, 9:50:18.015324
train_1262	In Progress...	49.6%	0.515625	3 days, 9:50:18.015394
train_1263	In Progress...	93.3%	0.4189453125	3 days, 9:50:18.015463
train_1264	In Progress...	50.2%	0.53515625	3 days, 9:50:18.015532
train_1265	In Progress...	94.1%	0.498046875	3 days, 9:50:18.015672
train_1266	In Progress...	50.7%	0.5146484375	3 days, 9:50:18.015765
train_1267	In Progress...	92.6%	0.5224609375	3 days, 9:50:18.015838
train_1268	In Progress...	49.3%	0.421875	3 days, 9:50:18.015906
train_1269	In Progress...	92.9%	0.30859375	3 days, 9:50:18.015990
train_1270	In Progress...	50.0%	0.7734375	3 days, 9:50:18.016057
train_1271	In Progress...	94.4%	0.765625	3 days, 9:50:18.016123
train_1272	In Progress...	50.1%	0.8193359375	3 days, 9:50:18.016206
train_1273	In Progress...	95.1%	0.8095703125	3 days, 9:50:18.016273
train_1274	In Progress...	50.0%	0.8271484375	3 days, 9:50:18.016339
train_1275	In Progress...	94.6%	0.8017578125	3 days, 9:50:18.016405

Resource Overview

- We got a new server - DGX1 in Fixstars Japan
  - 8 V100 GPU
  - CPU: Intel Xeon(R) CPU E5-2698 v4 @ 2.20GHz
  - 500 GB RAM

- We use the same codebase as used for MIT DGX.
- We can start AWS from tomorrow!