Dynamic sampling pointnet notes

xyz

Feb 2018

1 Quick notes for important events while using one file to test

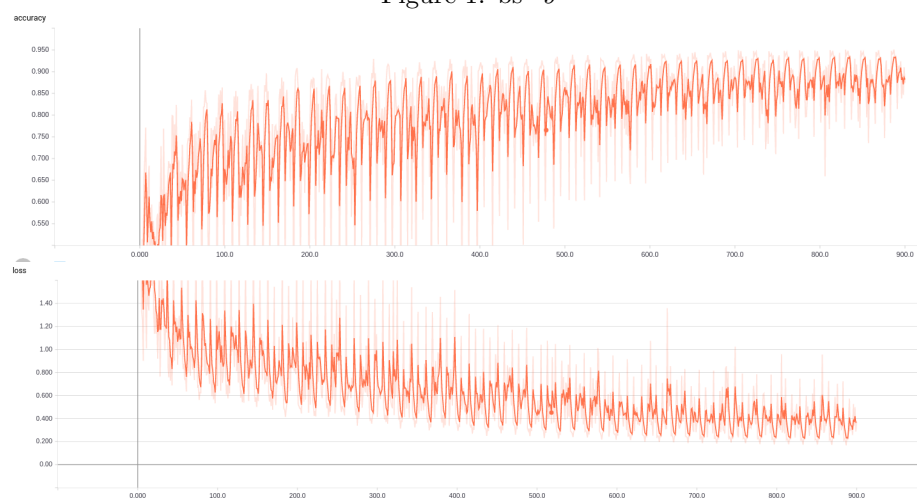## 1.1 batch size

1.1.1 bs=27 vs bs=81

batch size: 9,27,81
    data: xyz-color_1norm
    model: 1AG
    sampling & grouping: stride_0d1_step_0d1_bmap_nh5_2048_0d5_1_fmn1-160_32-32_12-0d2_0d6-0d2_0d6

Figure 1: bs=9

1.2 feed elements

epoch num = 100

batch size	data elements	acc	loss
9	xyz color	0.890	0.356
27	xyz color	0.920	0.240
81	xyz color	0.978	0.072
9	xyz	0.861	0.427
27	xyz	0.907	0.257
81	xyz	0.975	0.078

Figure 2: bs=27

Figure 3: bs=81