Version 1

results of version 1

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In version 1 i added data augmentation to prevent over-fitting between training and validation.For every image i set smaller size to 512 and other was resized proportionally to keep aspect ratio, after that random crop to 386x386 with horizontal flip with probability of 0.5.

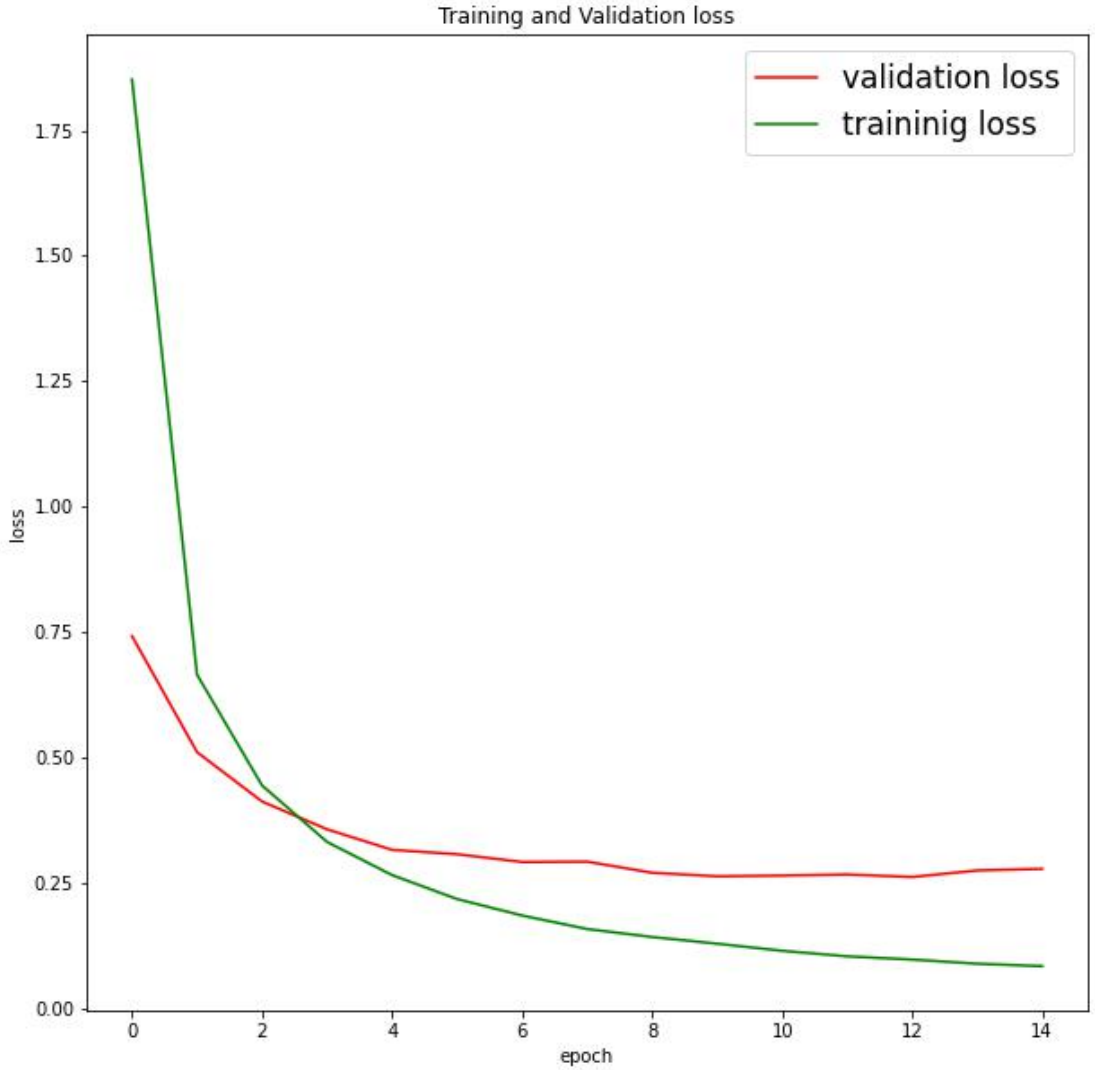
We got slightly better results, all validation metrics(f1,accuracy) have increased while training have decreased a bit which is good, but still its not enough.Its still over-fitting at the end.

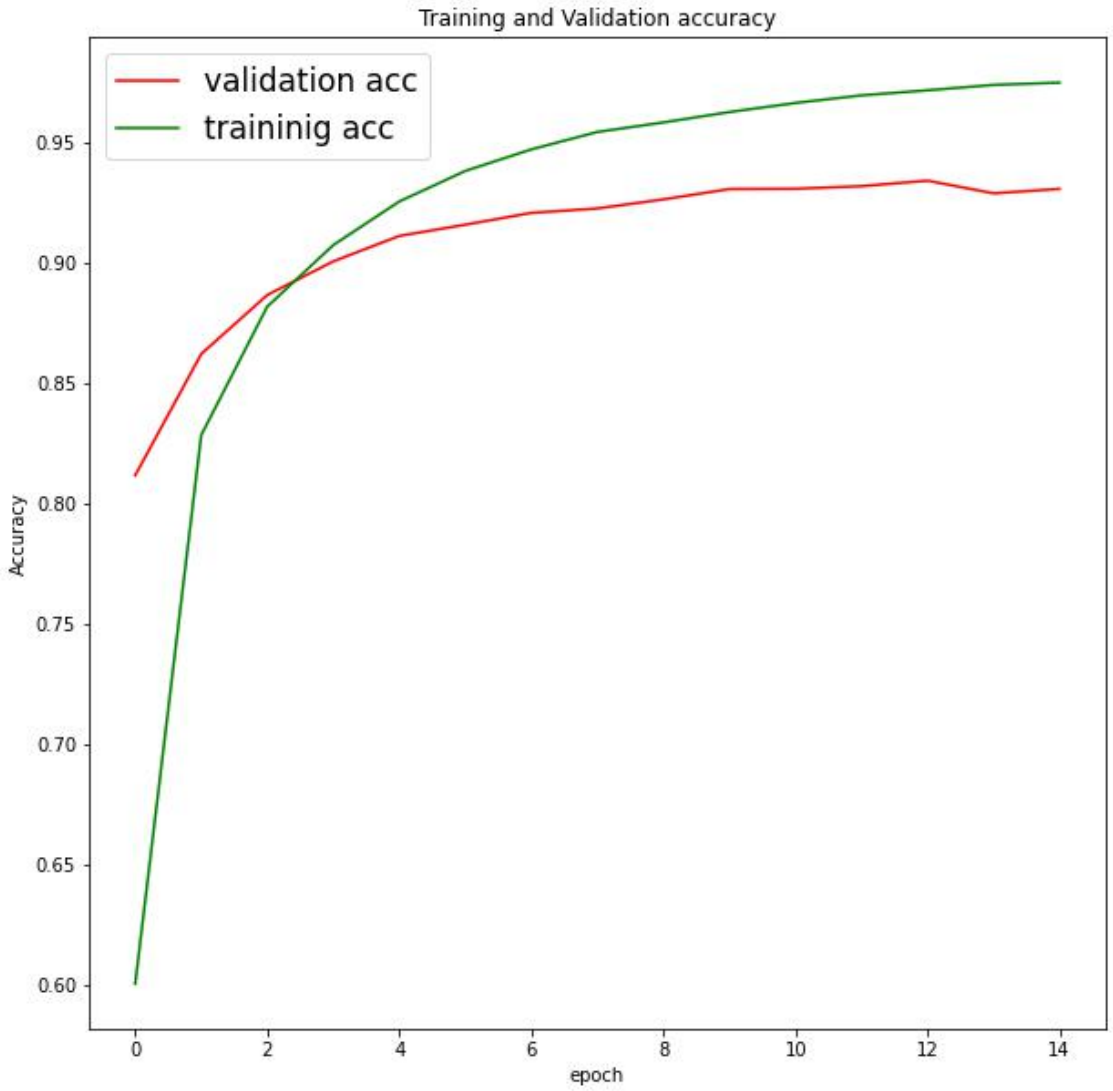
Config for Version 1

	params
seed	13
df_path	s3://landmarkdataset/csv_files/processed.csv
valid_split	0.1
train_small_max_size	512
train_crop	386
mean	0.485,0.456,0.406
std	0.229,0.224,0.225
valid_small_max_size	512
valid_crop	386
train_batch	48
valid_batch	48
workers	4
device	cuda
model	resnet50
pretrained	true
num_classes	491
lr	0.0003
num_epochs	15
log_freq	100

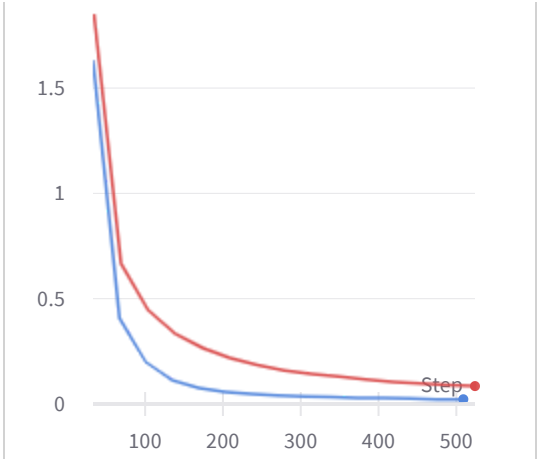
TODO V2

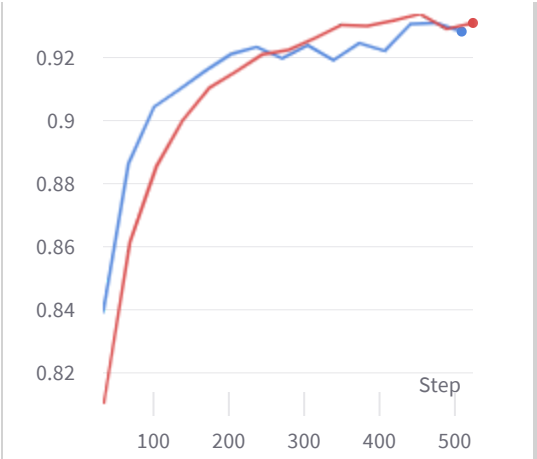
- Train for 10 epochs
- 448x448
- higher learning rate
- weight decay

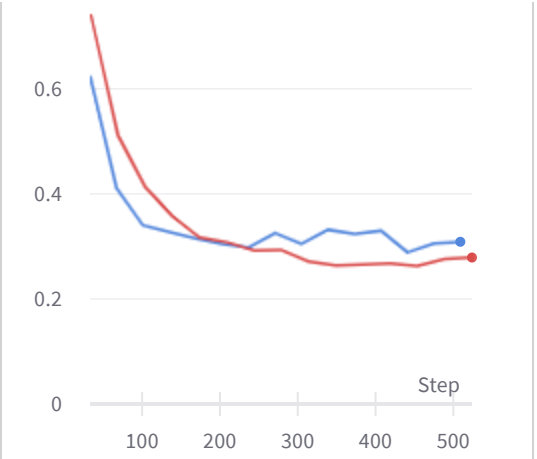

Training and Validation loss
validation loss
traininig loss
loss
epoch
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
0
2
4
6
8
10
12
14

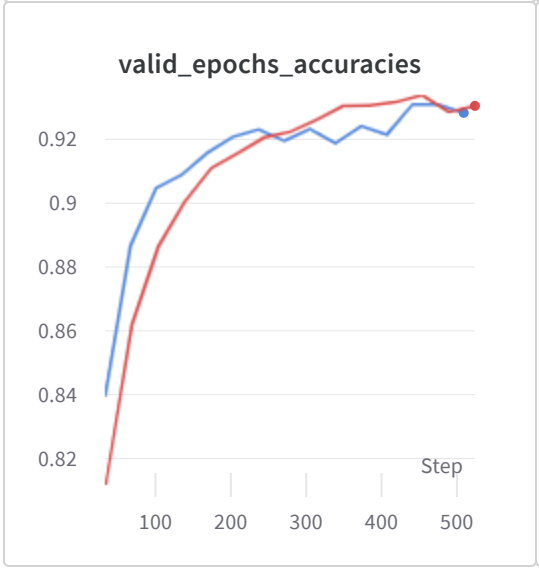


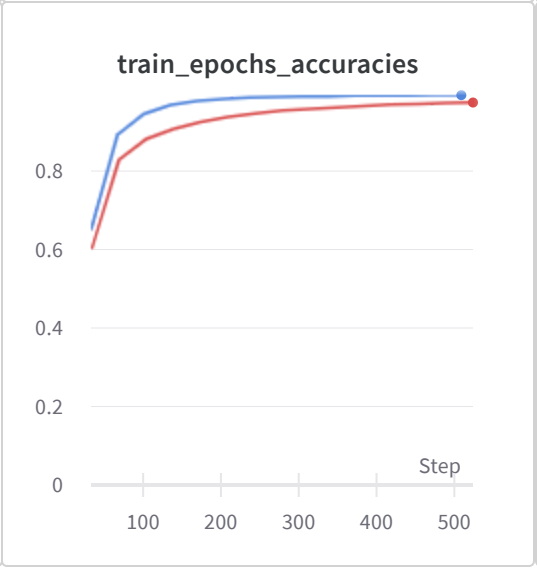
train_epochs_losses	valid_epochs_f1score	valid_epochs_losses

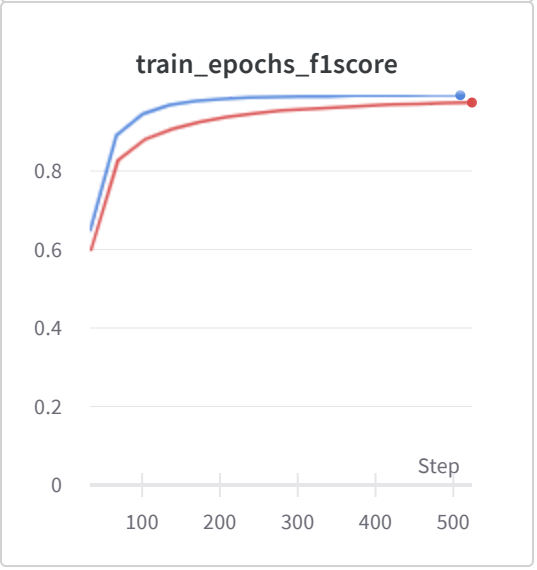












Import panel Add panel

Run set 2 0