

EPOCH RESULTS FOR: (Image Captioning: Attention)

| Attention Mechanism | Vocabulary(Unique Words) | Number of Images | Training Epochs | Captions per image | Total Datapoints | Training Batch Size |
|---------------------|--------------------------|------------------|-----------------|--------------------|------------------|---------------------|
| Bahdanau Attention | 5,000 | 6,000 | 10 | 5 | 30,000 | 64 |

```

Epoch 1 Batch 0 Loss 1.7959
Epoch 1 Batch 100 Loss 1.1671
Epoch 1 Batch 200 Loss 0.8441
Epoch 1 Batch 300 Loss 0.8321
Epoch 1 Loss 0.015772
Time taken for 1 epoch 248.15274310112 sec

Epoch 2 Batch 0 Loss 0.8362
Epoch 2 Batch 100 Loss 0.7132
Epoch 2 Batch 200 Loss 0.7136
Epoch 2 Batch 300 Loss 0.6927
Epoch 2 Loss 0.011898
Time taken for 1 epoch 245.97615456581116 sec

Epoch 3 Batch 0 Loss 0.7275
Epoch 3 Batch 100 Loss 0.6977
Epoch 3 Batch 200 Loss 0.7029
Epoch 3 Batch 300 Loss 0.6923
Epoch 3 Loss 0.010669
Time taken for 1 epoch 244.94688940048218 sec

Epoch 4 Batch 0 Loss 0.6804
Epoch 4 Batch 100 Loss 0.7140
Epoch 4 Batch 200 Loss 0.6373
Epoch 4 Batch 300 Loss 0.5957
Epoch 4 Loss 0.009875
Time taken for 1 epoch 246.26790952682495 sec

Epoch 5 Batch 0 Loss 0.6846
Epoch 5 Batch 100 Loss 0.6333
Epoch 5 Batch 200 Loss 0.6635
Epoch 5 Batch 300 Loss 0.6233
Epoch 5 Loss 0.009240
Time taken for 1 epoch 245.1111719608307 sec

Epoch 6 Batch 0 Loss 0.5311
Epoch 6 Batch 100 Loss 0.5231
Epoch 6 Batch 200 Loss 0.5573
Epoch 6 Batch 300 Loss 0.5838
Epoch 6 Loss 0.008728
Time taken for 1 epoch 246.29540038108826 sec

Epoch 7 Batch 0 Loss 0.5450
Epoch 7 Batch 100 Loss 0.5683
Epoch 7 Batch 200 Loss 0.5292
Epoch 7 Batch 300 Loss 0.4652
Epoch 7 Loss 0.008235
Time taken for 1 epoch 245.7125391960144 sec

Epoch 8 Batch 0 Loss 0.5220
Epoch 8 Batch 100 Loss 0.5054
Epoch 8 Batch 200 Loss 0.4473
Epoch 8 Batch 300 Loss 0.4973
Epoch 8 Loss 0.007809
Time taken for 1 epoch 246.16153240203857 sec

Epoch 9 Batch 0 Loss 0.4643
Epoch 9 Batch 100 Loss 0.4606
Epoch 9 Batch 200 Loss 0.4632
Epoch 9 Batch 300 Loss 0.4030
Epoch 9 Loss 0.007441
Time taken for 1 epoch 245.31822752952576 sec

Epoch 10 Batch 0 Loss 0.4872
Epoch 10 Batch 100 Loss 0.5227
Epoch 10 Batch 200 Loss 0.4738
Epoch 10 Batch 300 Loss 0.4178
Epoch 10 Loss 0.007064
Time taken for 1 epoch 245.6836268901825 sec

```

