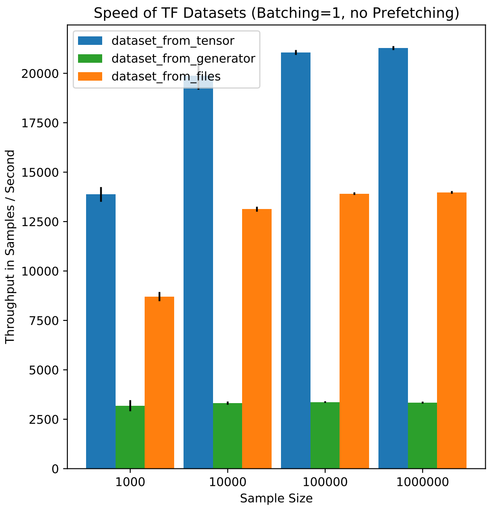
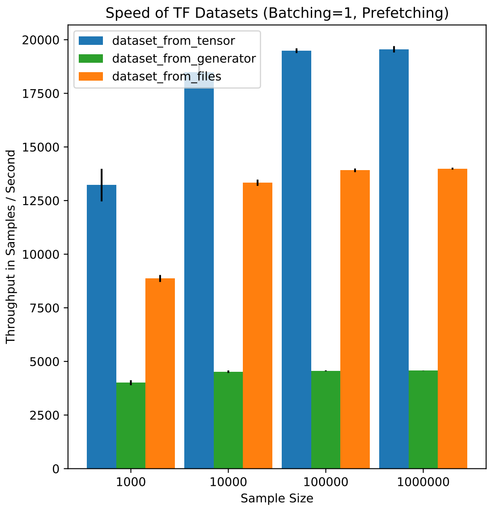
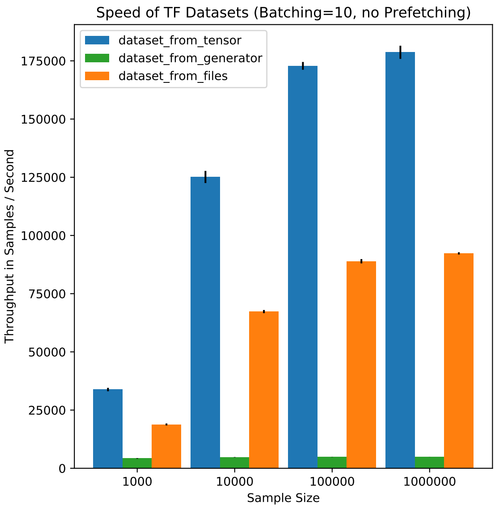
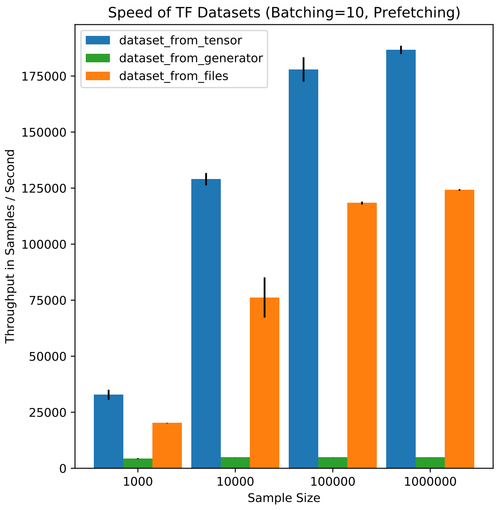
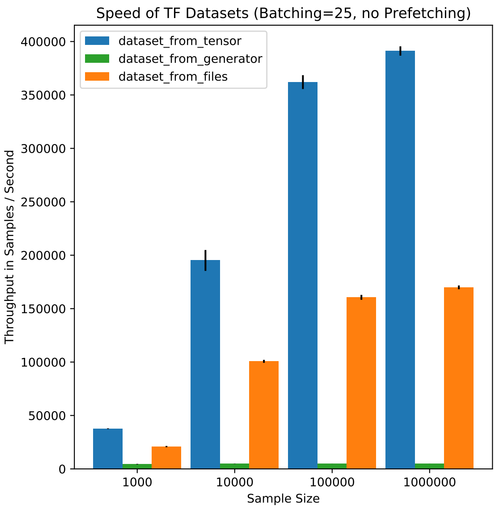
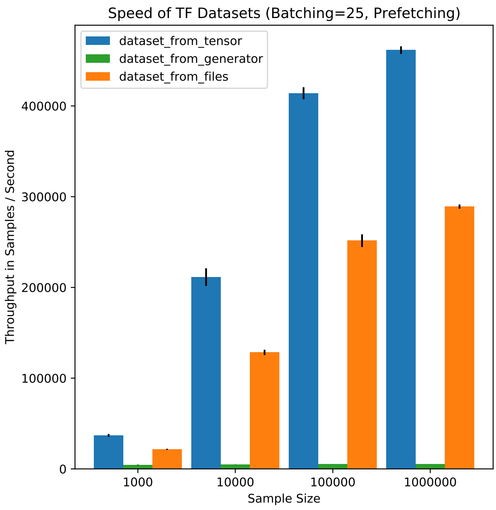

Speed of TF Datasets (Batching=1, no Prefetching)
dataset_from_tensor
dataset_from_generator
dataset_from_files
Throughput in Samples / Second
0
2500
5000
7500
10000
12500
15000
17500
20000
1000
10000
100000
1000000
Sample Size

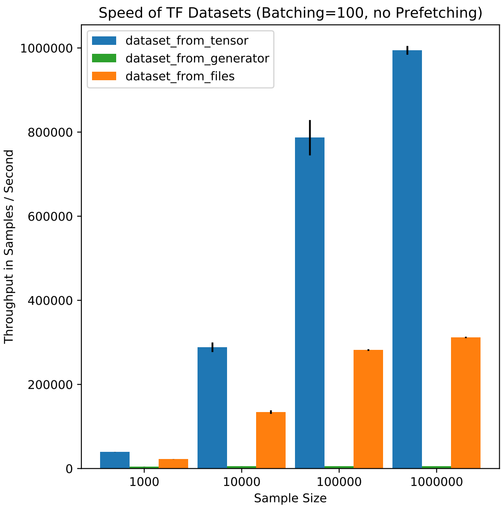

Speed of TF Datasets (Batching=1, Prefetching)
dataset_from_tensor
dataset_from_generator
dataset_from_files
Throughput in Samples / Second
0
2500
5000
7500
10000
12500
15000
17500
20000
1000
10000
100000
1000000
Sample Size

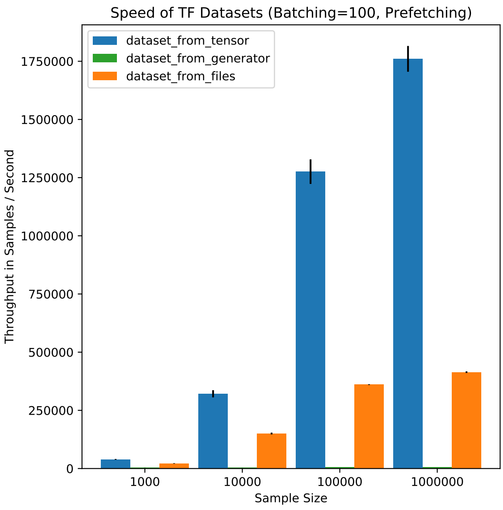

Speed of TF Datasets (Batching=10, no Prefetching)
dataset_from_tensor
dataset_from_generator
dataset_from_files
Throughput in Samples / Second
0
25000
50000
75000
100000
125000
150000
175000
1000
10000
100000
1000000
Sample Size

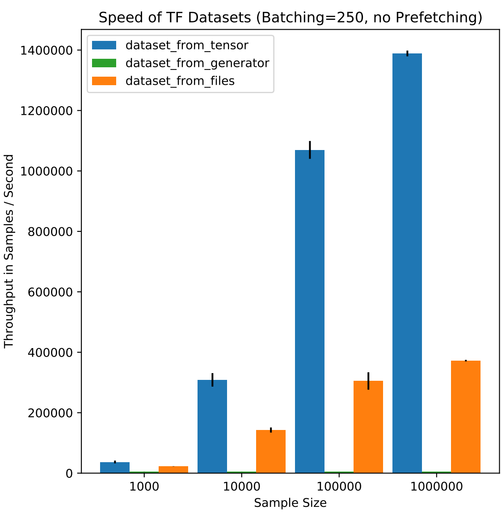

Speed of TF Datasets (Batching=10, Prefetching)
dataset_from_tensor
dataset_from_generator
dataset_from_files
Throughput in Samples / Second
0
25000
50000
75000
100000
125000
150000
175000
1000
10000
100000
1000000
Sample Size

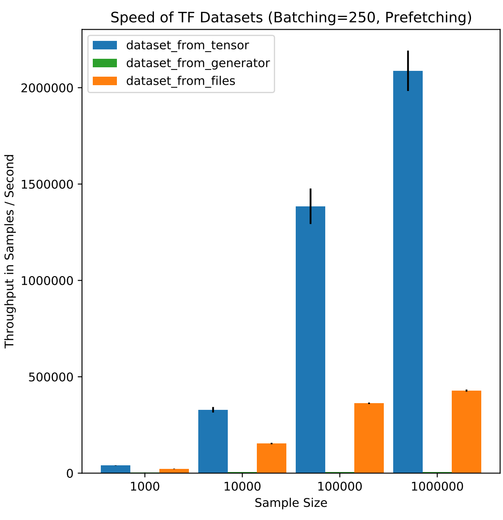

Speed of TF Datasets (Batching=25, no Prefetching)
dataset_from_tensor
dataset_from_generator
dataset_from_files
Throughput in Samples / Second
0
50000
100000
150000
200000
250000
300000
350000
400000
1000
10000
100000
1000000
Sample Size


Speed of TF Datasets (Batching=25, Prefetching)
dataset_from_tensor
dataset_from_generator
dataset_from_files
Throughput in Samples / Second
0
100000
200000
300000
400000
1000
10000
100000
1000000
Sample Size


Speed of TF Datasets (Batching=100, no Prefetching)
dataset_from_tensor
dataset_from_generator
dataset_from_files
Throughput in Samples / Second
0
200000
400000
600000
800000
1000000
1000
10000
100000
1000000
Sample Size


Speed of TF Datasets (Batching=100, Prefetching)
dataset_from_tensor
dataset_from_generator
dataset_from_files
Throughput in Samples / Second
0
250000
500000
750000
1000000
1250000
1500000
1750000
1000
10000
100000
1000000
Sample Size


Speed of TF Datasets (Batching=250, no Prefetching)
dataset_from_tensor
dataset_from_generator
dataset_from_files
Throughput in Samples / Second
0
200000
400000
600000
800000
1000000
1200000
1400000
1000
10000
100000
1000000
Sample Size


Speed of TF Datasets (Batching=250, Prefetching)
dataset_from_tensor
dataset_from_generator
dataset_from_files
Throughput in Samples / Second
0
500000
1000000
1500000
2000000
1000
10000
100000
1000000
Sample Size