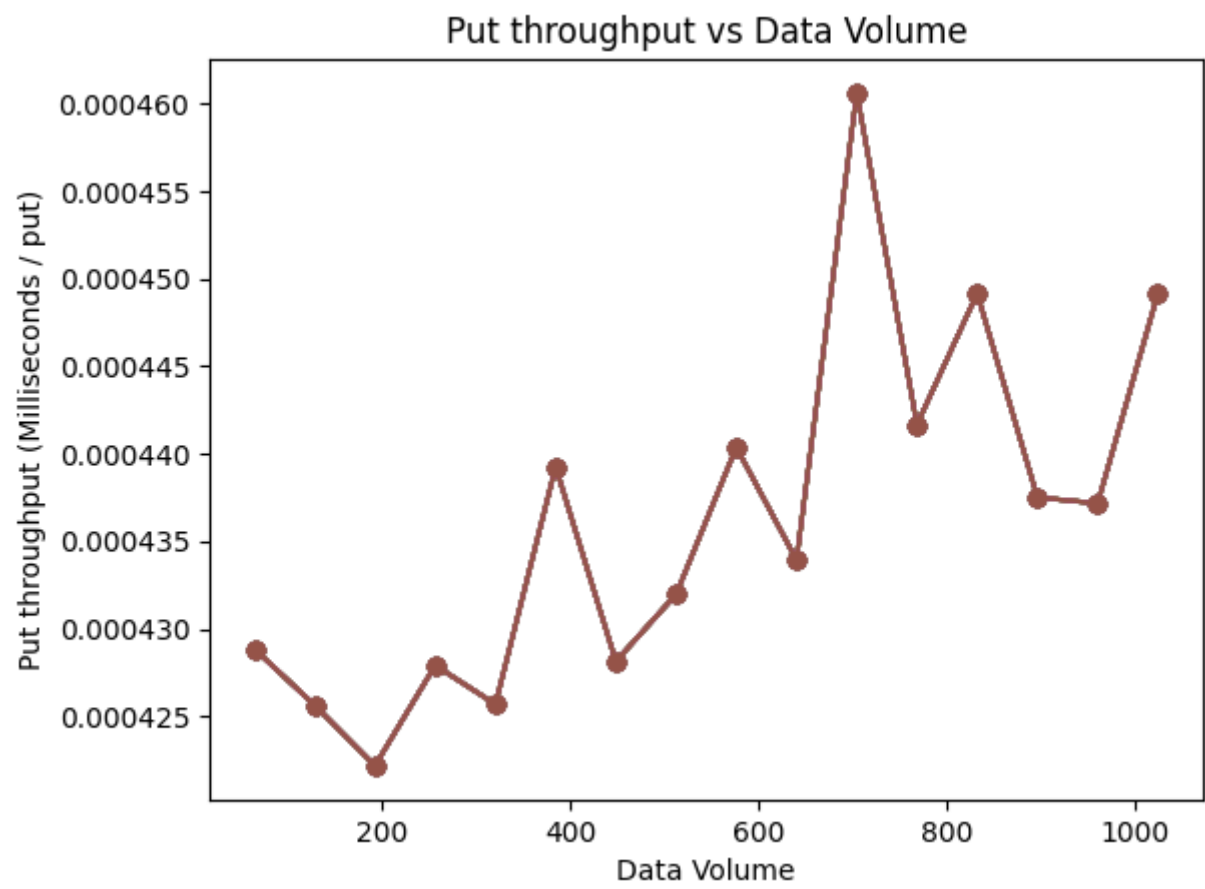


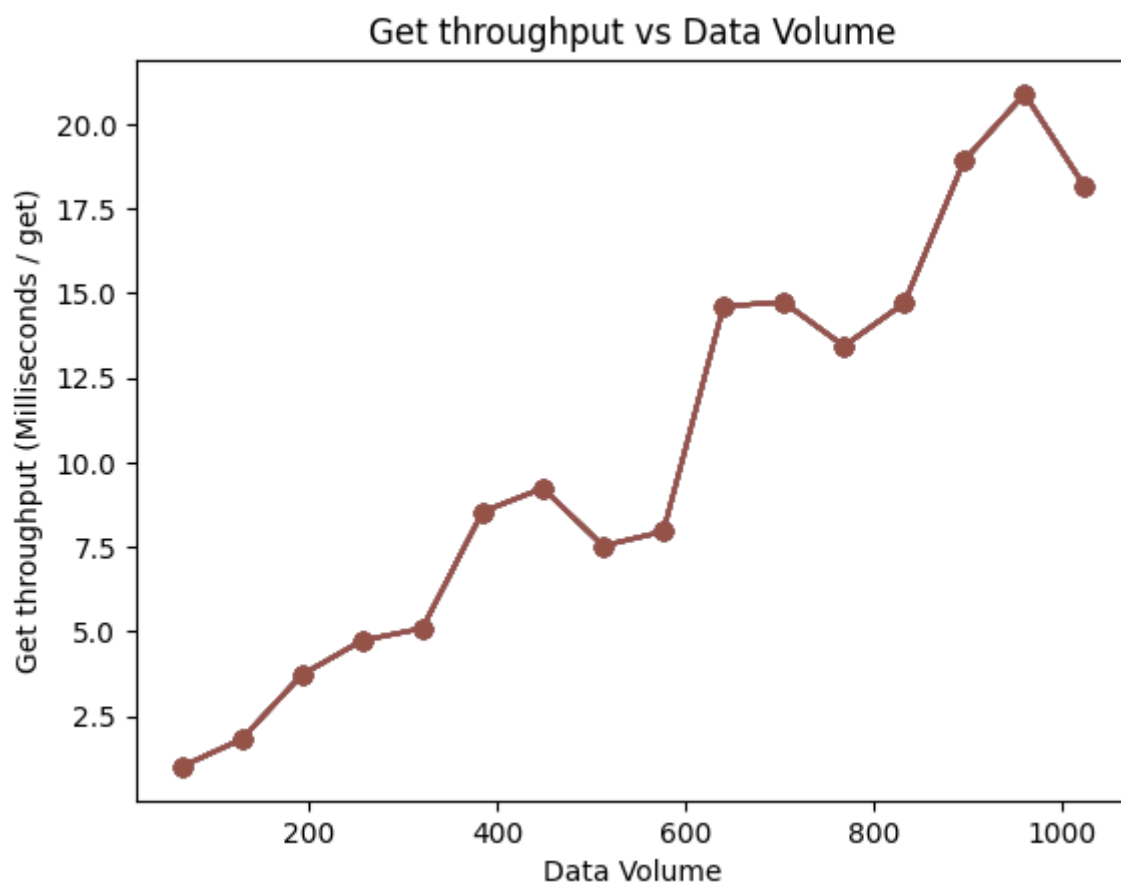
# Step 1 Experiments

---

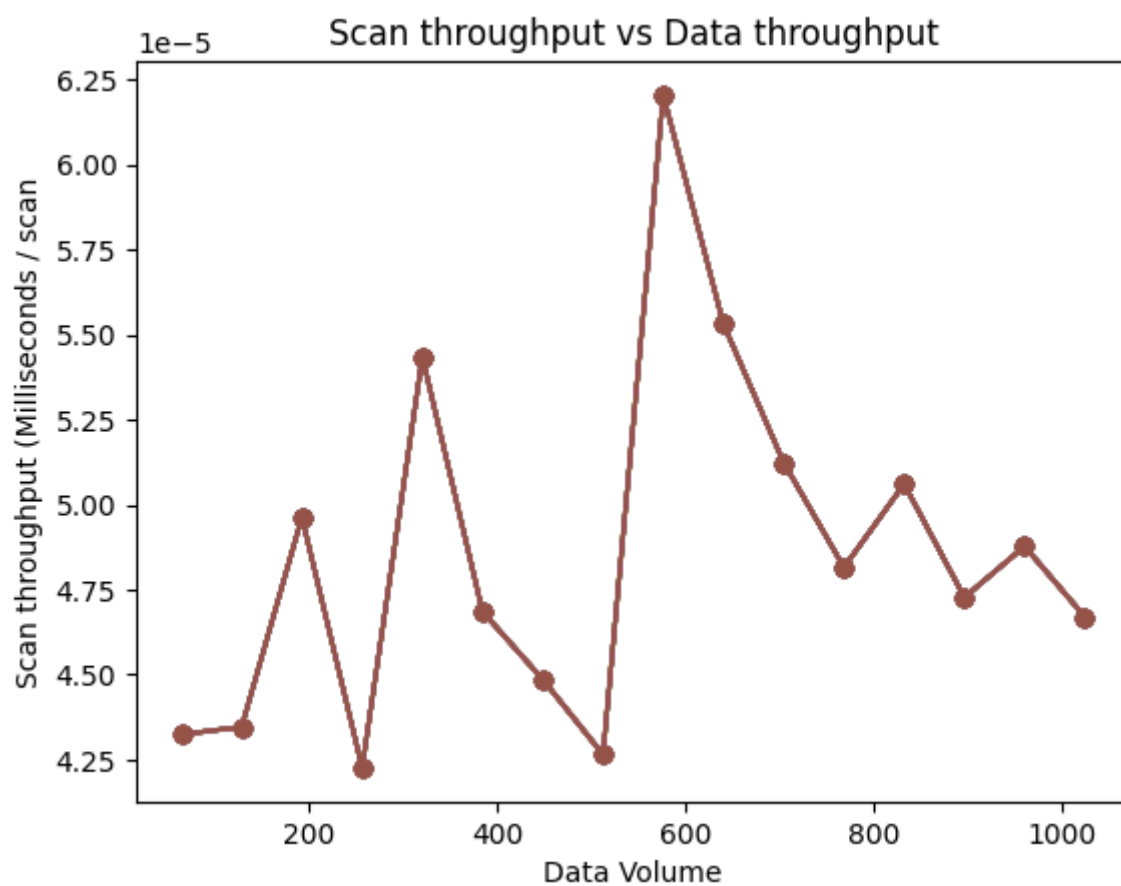
## Experiment 1: Put throughput vs Data Volume



## Experiment 2: Get throughput vs Data Volume



Experiment 3: Scan throughput vs Data Volume



## Step 2 Experiment

Experiment 4: LRU vs Clock

# Step 3 Experiment 1 with O\_DIRECT Flag

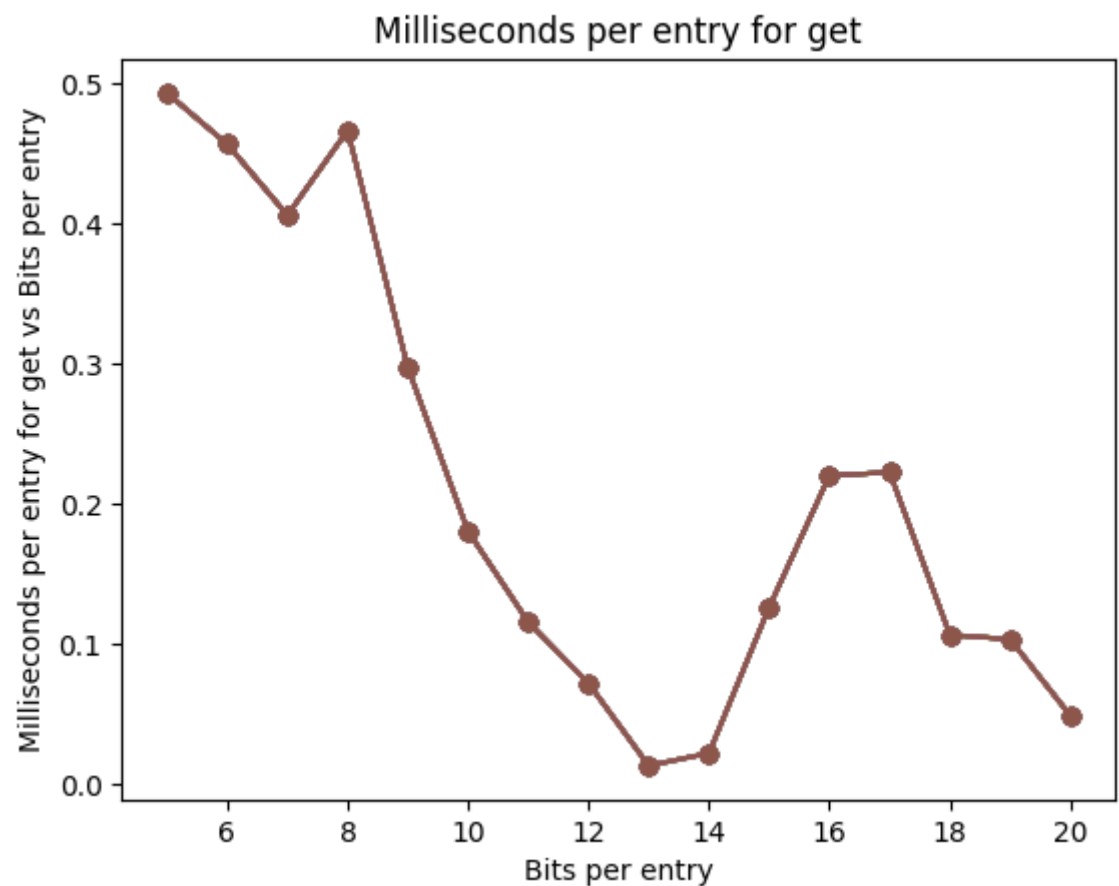
Experiment 6: Put throughput vs Increasing Data Volume

Experiment 7: Get throughput vs Increasing Data Volume

Experiment 8: Scan throughput vs Increasing Data Volume

# Step 3 Experiment 2

Experiment 9: Get performance for changing bloom filter bits with growing data size



# Step 3 Bonus Experiment without O\_DIRECT Flag

Experiment 10: Put throughput vs Increasing Data Volume

Experiment 11: Get throughput vs Increasing Data Volume

Experiment 12: Scan throughput vs Increasing Data Volume

## Unit tests

---

## Compilation and running instructions

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Running main code

```
./build.sh  
./run_src.sh
```

Running tests

```
./build.sh  
./run_test.sh
```

Running experiments

```
./build.sh  
./run_experiments/step1_exp1.sh  
./run_experiments/step3_exp1.sh  
./run_experiments/step3_exp2.sh
```