

Figure 1: Throughput of CircleRange Methods with different data size.

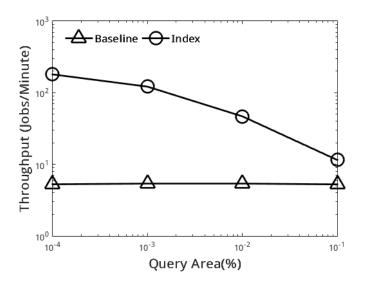


Figure 2: Throughput of CircleRange Methods with different Query Area.

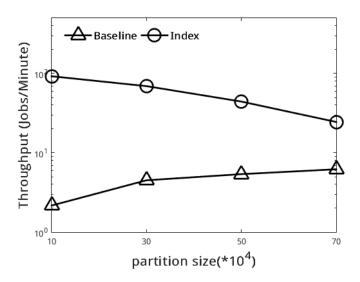


Figure 3: Throughput of CircleRange Methods with different partition size.

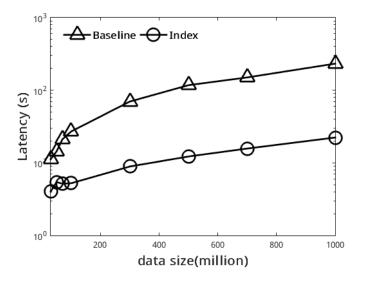


Figure 4: Latency of CircleRange Methods with different data size.

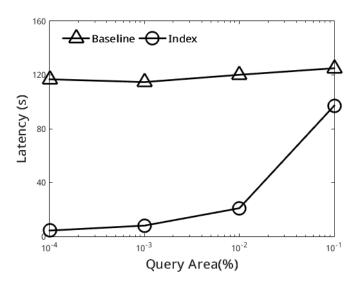


Figure 5: Latency of CircleRange Methods with different Query Area.

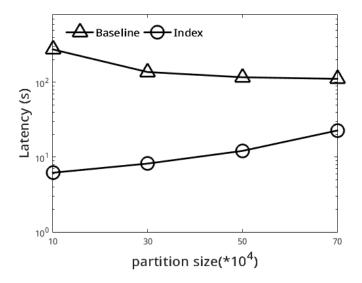


Figure 6: Latency of CircleRange Methods with different partition size.