Vector Data

	10k	20k	30k	40k	50k
Insert Average	0.85268	0.85188	0.8368334	0.818079	0.77722
Remove Average	600.2678	1525.298	2388.388	3004.37	3477.46
Find Average	418.0436	915.7152	1666.504	1977.078	2440.856
Range Average	3557.8	3759.8	3385	6322.2	7402
Sort Average	6703.2	32608.8	48359.4	61111.6	71288

Linked List Data

	10k	20k	30k	40k	50k
Insert Average	0.04352	0.03734	0.03368668	0.13575	0.226432
Remove Average	108.8086	229.7418	342.0412	465.5448	583.3236
Find Average	102.848	201.184	299.5286	423.8124	681.3684
Range Average	1051	802.4	831.2	915.8	2662.6
Sort Average	4819.8	12428	18926.4	28015	34950.6

Binary Search Vector Data

	10k	20k	30k	40k	50k
Insert Average	42.18436	82.99988	122.3994	172.7482	223.9878
Remove Average	77.0228	161.6806	272.866	327.0568	419.925
Find Average	0.9119	0.9589	0.9926	0.9859	0.9967
Range Average	678	2211.4	2640.8	4565.6	5314.8
Sort Average	0	0	0	0	0

Hash Table Data

	10k	20k	30k	40k	50k
Insert Average	0.47058	0.48127	0.6441934	0.4768	0.760356
Remove Average	0.0012	0.002	0.0008	0.0066	0.0068
Find Average	0.0018	0.006	0.0018	0.0035	0.0033
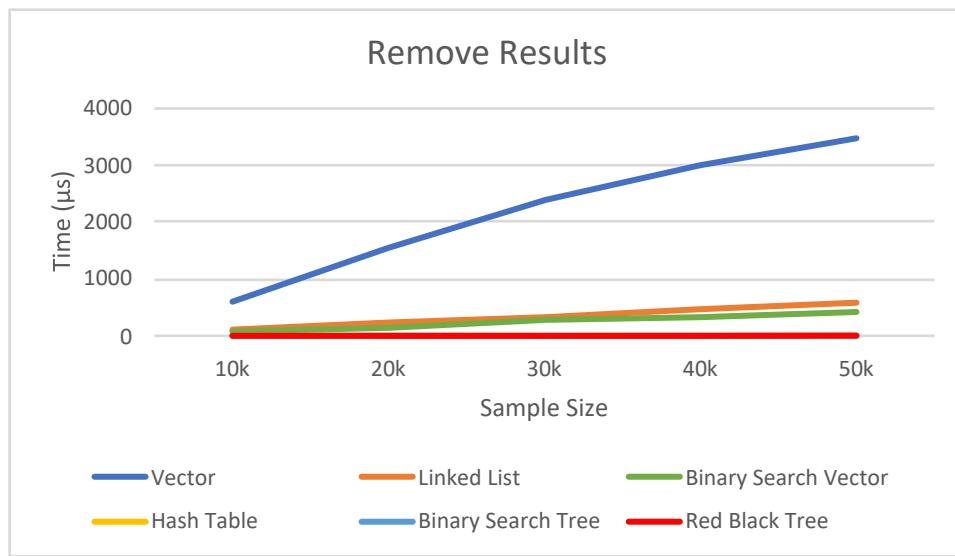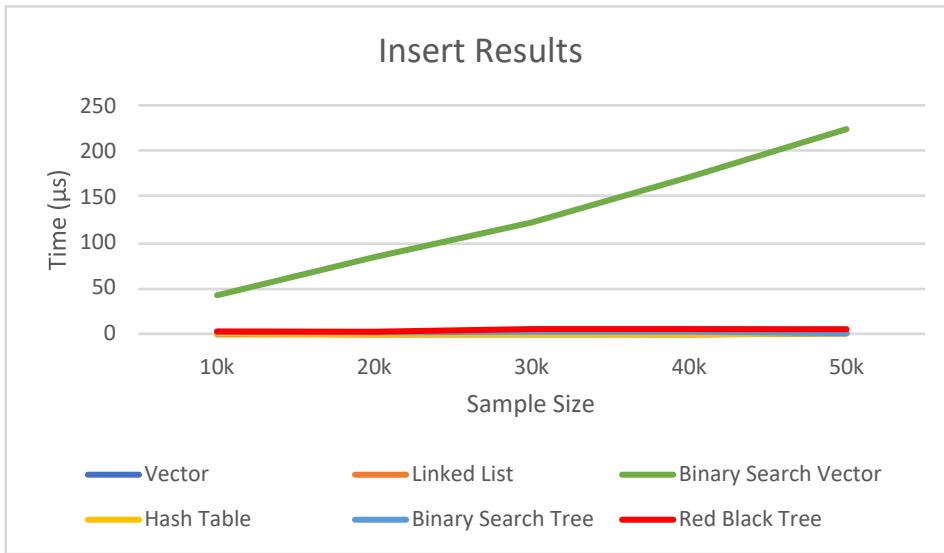
	10k	20k	30k	40k	50k
Range Average	1796.6	5051.4	6279.2	10404.6	11157
Sort Average	4950.2	12419.8	19168.4	27359.8	34512
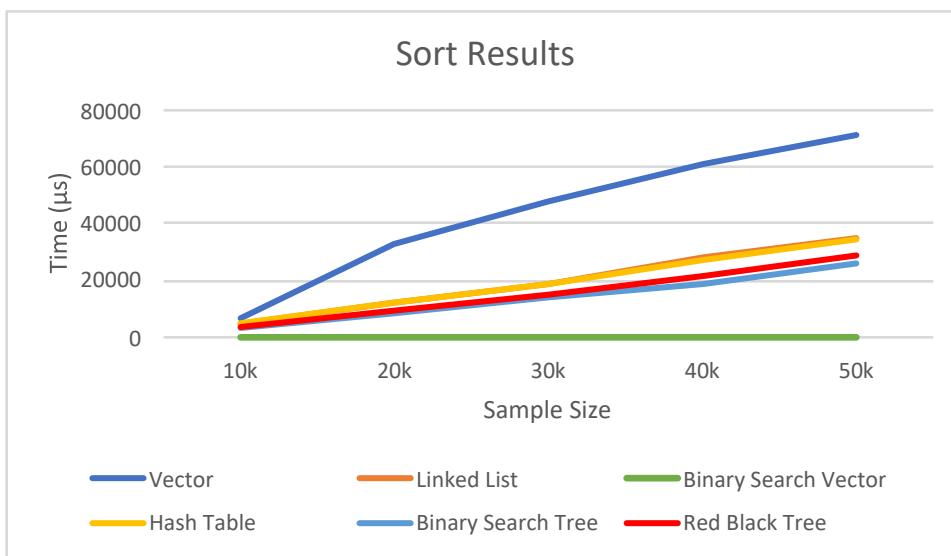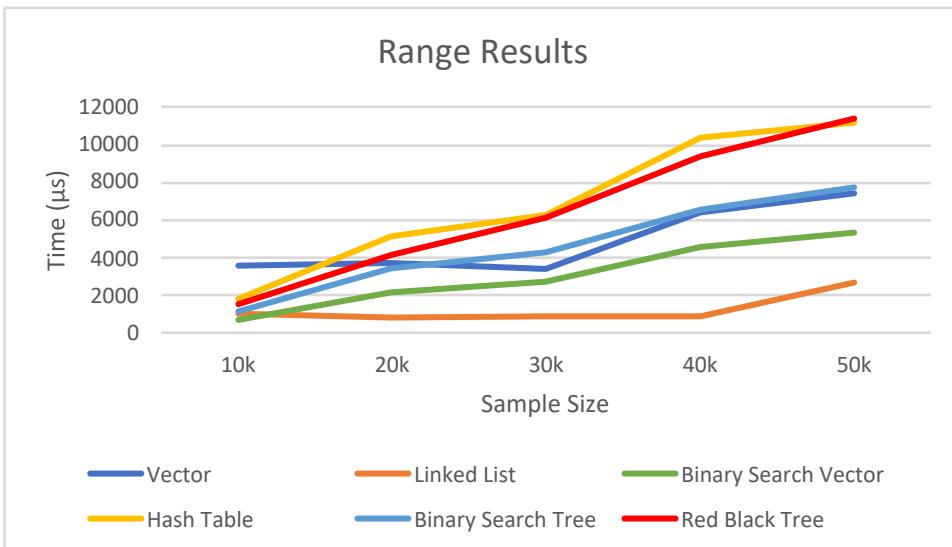
	10k	20k	30k	40k	50k
Insert Average	1.18044	1.68968	1.097792	0.958569	0.721532
Remove Average	1.9158	2.7826	2.1792	1.4756	1.4916
Find Average	2.2811	3.4103	2.2885	1.8875	1.4121
Range Average	1126.6	3472.4	4198.6	6580.8	7719.2
Sort Average	3296	8605.2	14314.4	18910.2	26034.4
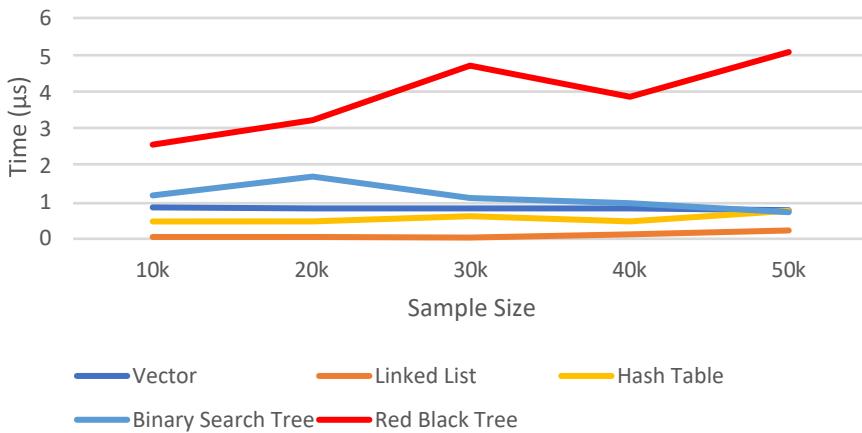
	10k	20k	30k	40k	50k
Insert Average	2.55764	3.2409	4.690214	3.869276	5.072908
Remove Average	1.7963	2.3578	3.2828	3.6868	4.4785
Find Average	1.1674	1.5077	2.072	2.2506	2.811
Range Average	1514	4088.6	6099.2	9331.4	11374.4
Sort Average	3619.6	9049.6	15101.6	21243.6	28848.8

Insert Results

X-axis: Sample Size (10k, 20k, 30k, 40k, 50k)
Y-axis: Time (µs) (0, 50, 100, 150, 200, 250)

Legend: Vector, Linked List, Binary Search Vector, Hash Table, Binary Search Tree, Red Black Tree

Remove Results

X-axis: Sample Size (10k, 20k, 30k, 40k, 50k)
Y-axis: Time (µs) (0, 1000, 2000, 3000, 4000)

Legend: Vector, Linked List, Binary Search Vector, Hash Table, Binary Search Tree, Red Black Tree

Find Results

X-axis: Sample Size (10k, 20k, 30k, 40k, 50k)
Y-axis: Time (µs) (0, 500, 1000, 1500, 2000, 2500, 3000)

Legend: Vector, Linked List, Binary Search Vector, Hash Table, Binary Search Tree, Red Black Tree
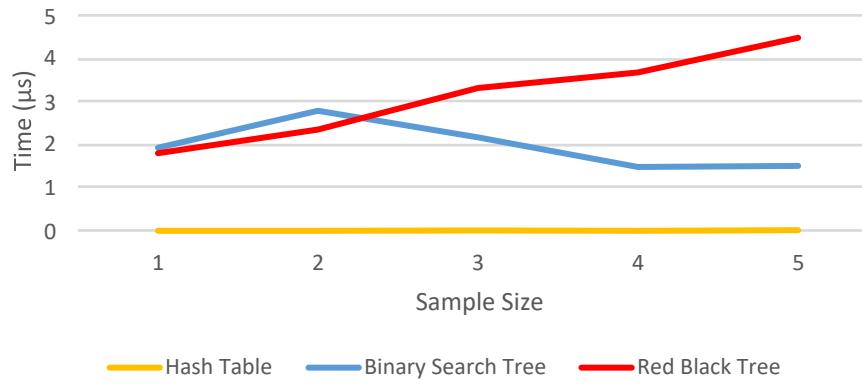
Range Results

Sort Results

Insert Results (w/o Bin. Search Vector)

Remove Results (w/o Vector, Bin. Search Vector, Linked List)

Find Results (w/o Vector, Linked List)