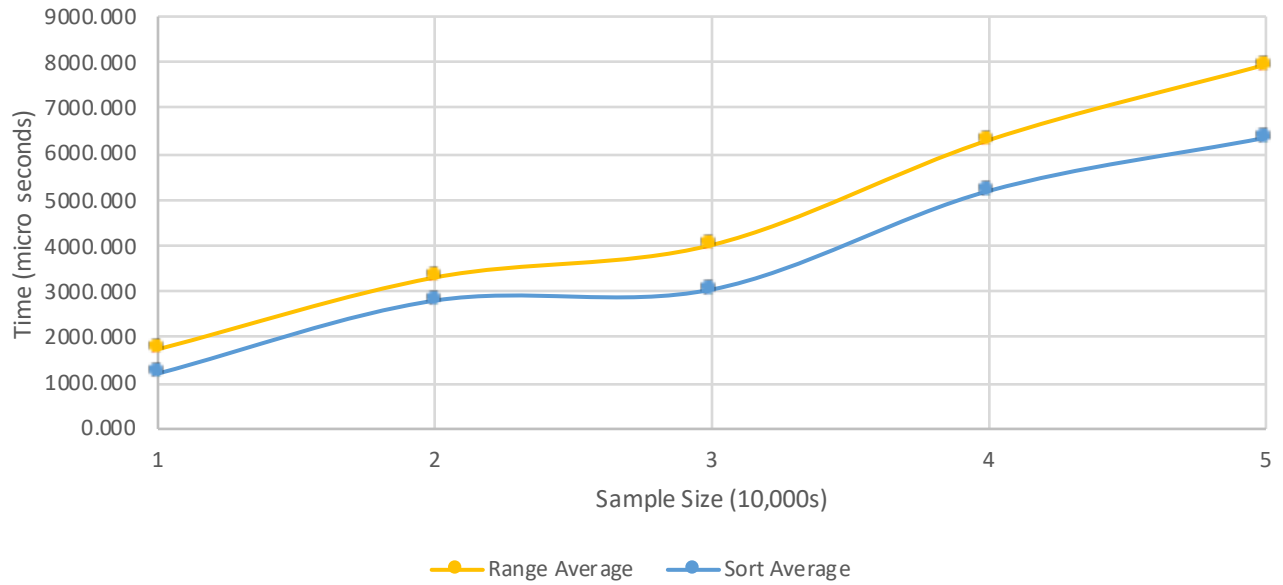


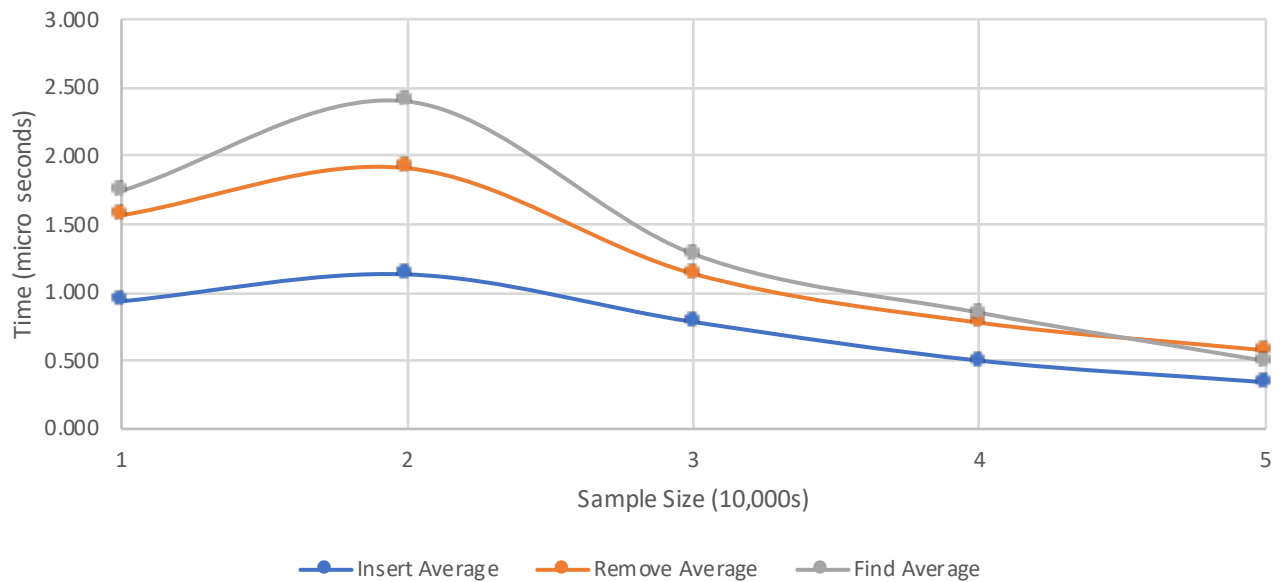
HW9

HW9	rand-10k	rand-20k	rand-30k	rand-40k	rand-50k
Insert Average	0.935	1.131	0.783	0.500	0.342
Remove Average	1.564	1.909	1.136	0.778	0.575
Find Average	1.743	2.398	1.280	0.850	0.497
Range Average	1739.000	3305.500	4014.500	6305.000	7951.500
Sort Average	1209.000	2801.000	3043.000	5195.000	6356.500

HW8 BST Run-Time (us) vs Sample Size of Random Data Set



HW8 BST Run-Time (us) vs Sample Size of Random Data Set



HW9

HW3	10k	20k	30k	40k	50k
Insert Average	0.134	0.12665	0.0904667	0.1618	0.08598
Remove Average	305.672	639.725	1024.75	1405.223	1722.26
Find Average	116.166	226.637	327.93	429.942	547.595
Range Average	601	1859	2276	3889	4470
Sort Average	2602	7012	10705	15749	19711

HW4	10k	20k	30k	40k	50k
Insert Average	0.067166667	0.03125	0.051333335	0.031025	0.0256
Remove Average	56.514	120.195	177.776	245.416	296.512
Find Average	61.4955	121.471	174.884	223.891	283.707
Range Average	799	1992.5	2398.5	3900	4125.5
Sort Average	2761.666667	7112.5	11187	16043	20537.5

HW5	10k	20k	30k	40k	50k
Insert Average	28.3	54.866	84.3402	106.192	136.514
Remove Average	46.666	97.32	152.196	199.834	260.629
Find Average	0.018166667	0.017666667	0.022666667	0.026333333	0.0195
Range Average	672	2057	2646	4233	4930
Sort Average	330	1204	1590	2490	2801.333

HW6	10k	20k	30k	40k	50k
Insert Average	0.5641	0.8017	0.4506	0.6917	0.5816
Remove Average	0.0073	0.0052	0.0022	0.0012	0.0028
Find Average	0.0068	0.0240	0.0053	0.0397	0.0032
Range Average	6705.6667	11921.6667	17128.3333	21655.0000	26750.6667
Sort Average	5222.6667	9519.6667	12560.6667	17164.6667	21567.0000

HW7	rand-10k	rand-20k	rand-30k	rand-40k	rand-50k
Insert Average	0.5641	0.8017	0.4506	0.6917	0.5816
Remove Average	0.0073	0.0052	0.0022	0.0012	0.0028
Find Average	0.0068	0.0240	0.0053	0.0397	0.0032
Range Average	6705.6667	11921.6667	17128.3333	21655.0000	26750.6667
Sort Average	5222.6667	9519.6667	12560.6667	17164.6667	21567.0000