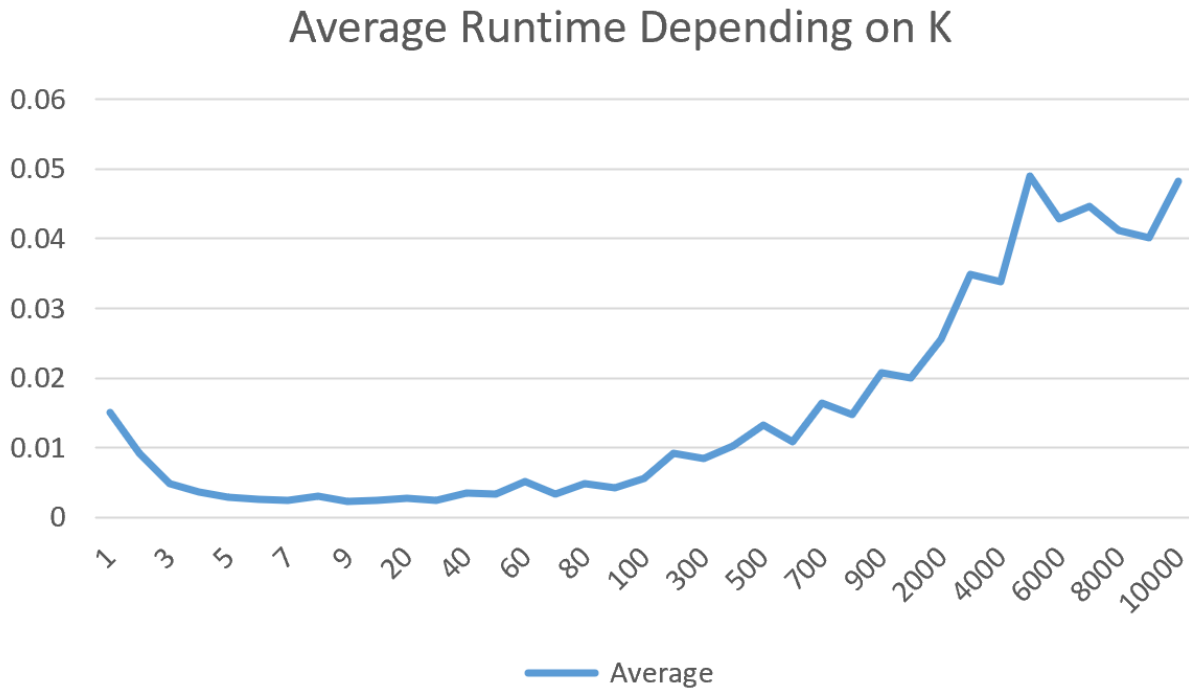


Keiran Berry
CSC372 Introduction Assignment
Section 1
29 August, 2023



k	1st Time	2nd Time	3rd Time	Average
1	0.016378	0.014425	0.014521	0.015108
2	0.009835	0.009934	0.007863	0.009211
3	0.005147	0.004909	0.00444	0.004832
4	0.00377	0.00372	0.003292	0.003594
5	0.002537	0.002623	0.003533	0.002898
6	0.002921	0.002293	0.002451	0.002555
7	0.00287	0.002476	0.002223	0.002523
8	0.003631	0.002443	0.002955	0.003009

9	0.002208	0.002333	0.00231	0.002284
10	0.002234	0.002716	0.002561	0.002503
20	0.002894	0.002665	0.002917	0.002825
30	0.002569	0.002298	0.00259	0.002486
40	0.003445	0.004196	0.003064	0.003568
50	0.002917	0.003326	0.003628	0.003291
60	0.005254	0.004023	0.006038	0.005105
70	0.004607	0.002901	0.002794	0.003434
80	0.003742	0.00425	0.006774	0.004922
90	0.005817	0.004246	0.002697	0.004253
100	0.006004	0.005159	0.005702	0.005622
200	0.009409	0.007862	0.010161	0.009144
300	0.00865	0.008404	0.008541	0.008531
400	0.009183	0.008819	0.012862	0.010288
500	0.016438	0.011019	0.012476	0.013311
600	0.009847	0.011355	0.011564	0.010922
700	0.020014	0.018917	0.010226	0.016386
800	0.01238	0.016549	0.015422	0.014784
900	0.015394	0.02576	0.020963	0.020706
1000	0.02623	0.012668	0.021189	0.020029
2000	0.030654	0.020687	0.025371	0.025571
3000	0.040433	0.023724	0.040397	0.034851
4000	0.030549	0.042814	0.028132	0.033832

5000	0.0476	0.049733	0.04943	0.048921
6000	0.046067	0.041195	0.041156	0.042806
7000	0.045063	0.047397	0.041515	0.044659
8000	0.041218	0.039802	0.042591	0.041204
9000	0.042804	0.030072	0.047719	0.040198
10000	0.049011	0.047896	0.047731	0.048213

- Best K: 9
- K=1 Ordered list time in seconds: 0.0045131
- K=N Ordered list time in seconds: 2.79e-05
- K=1 Random list time in seconds: 0.005341
- K=N Random list time in seconds: 0.0488582