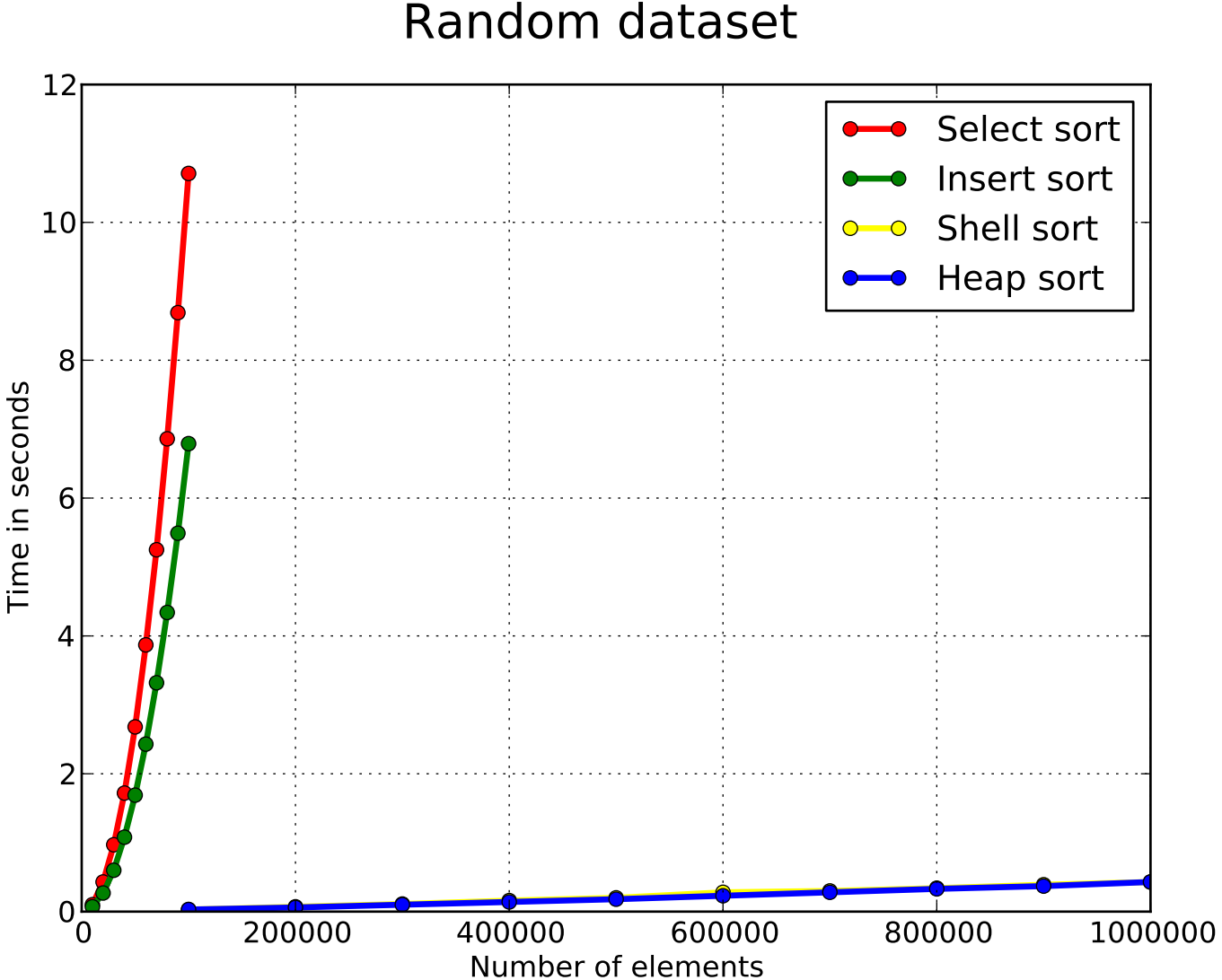
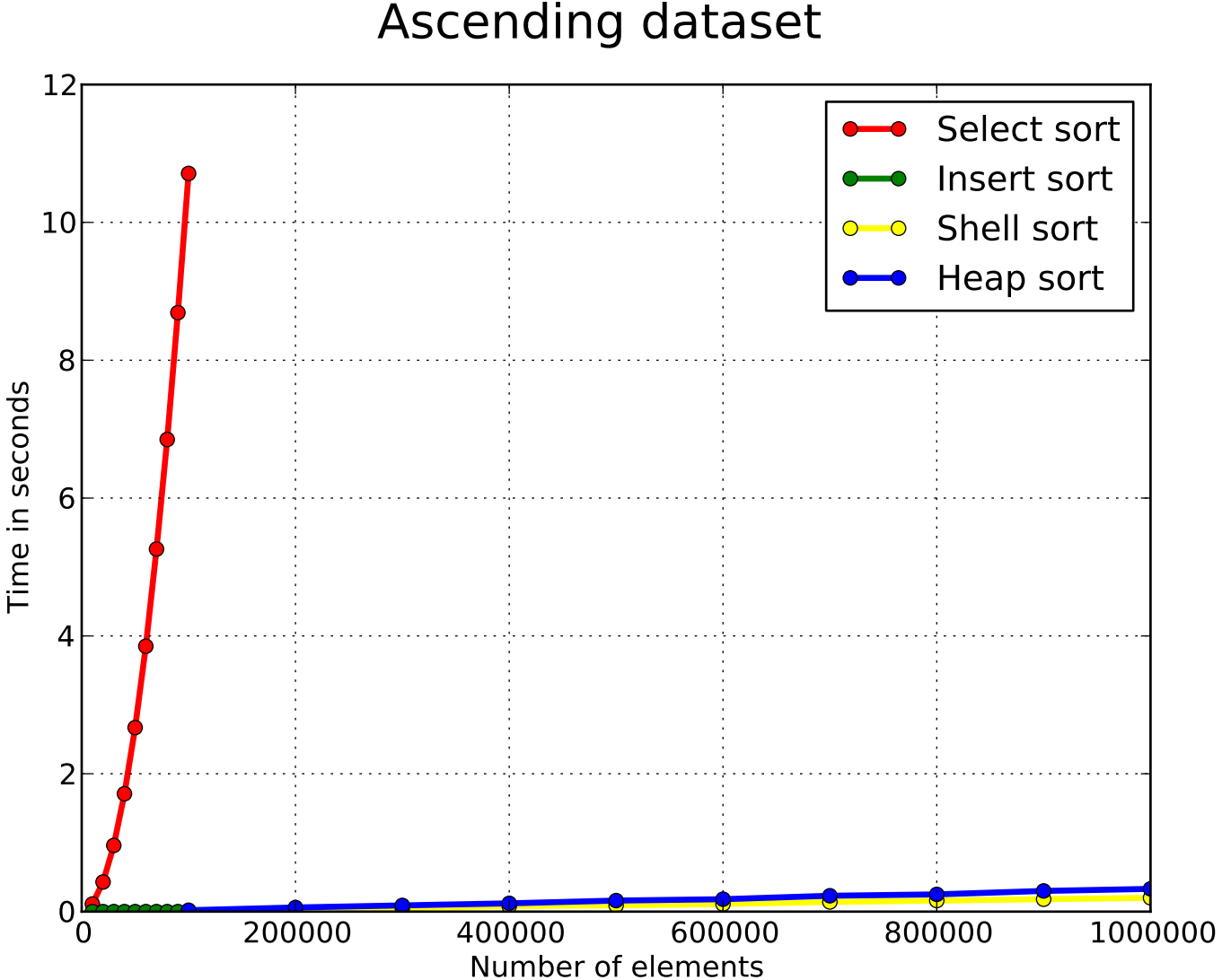
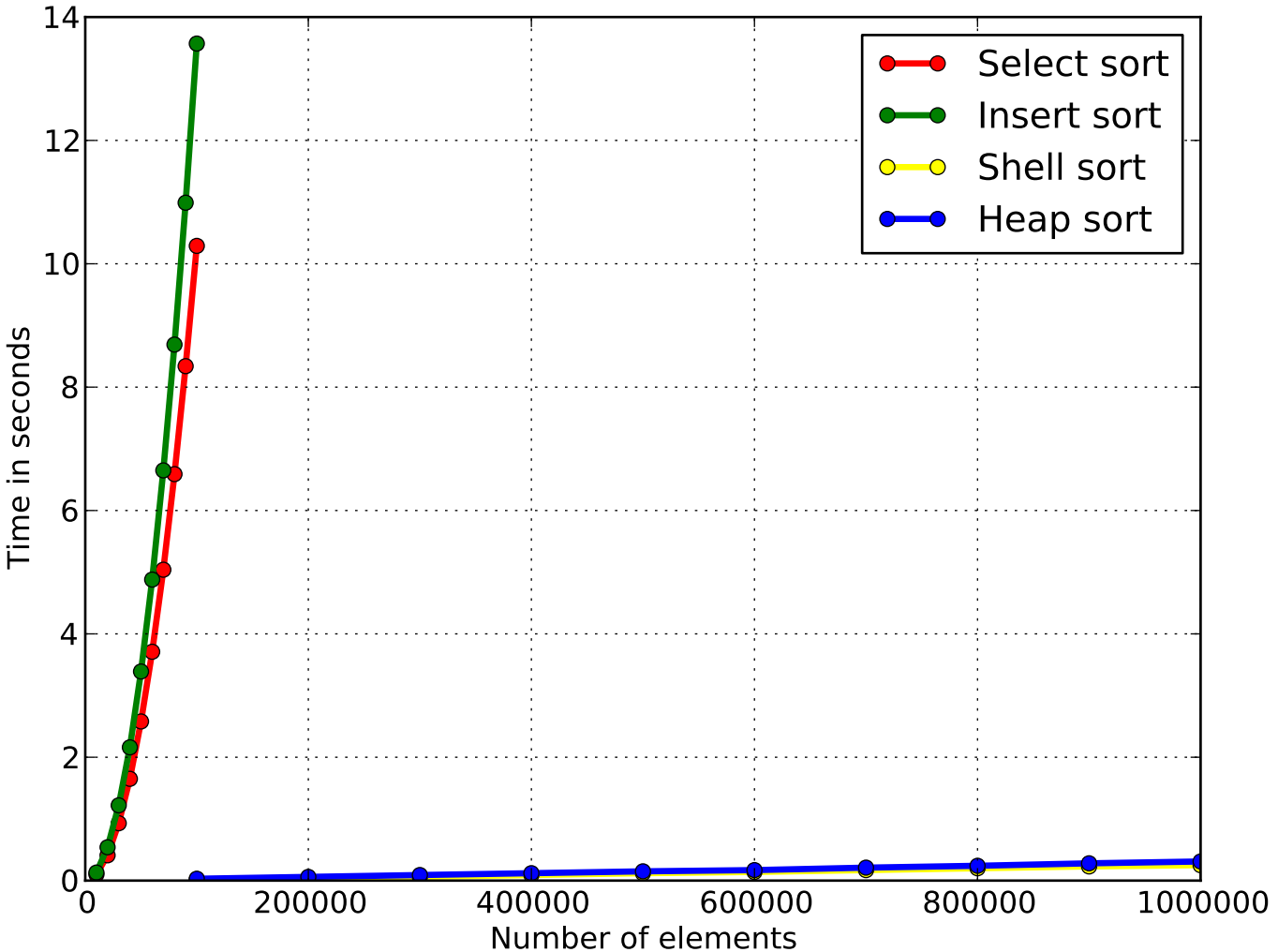
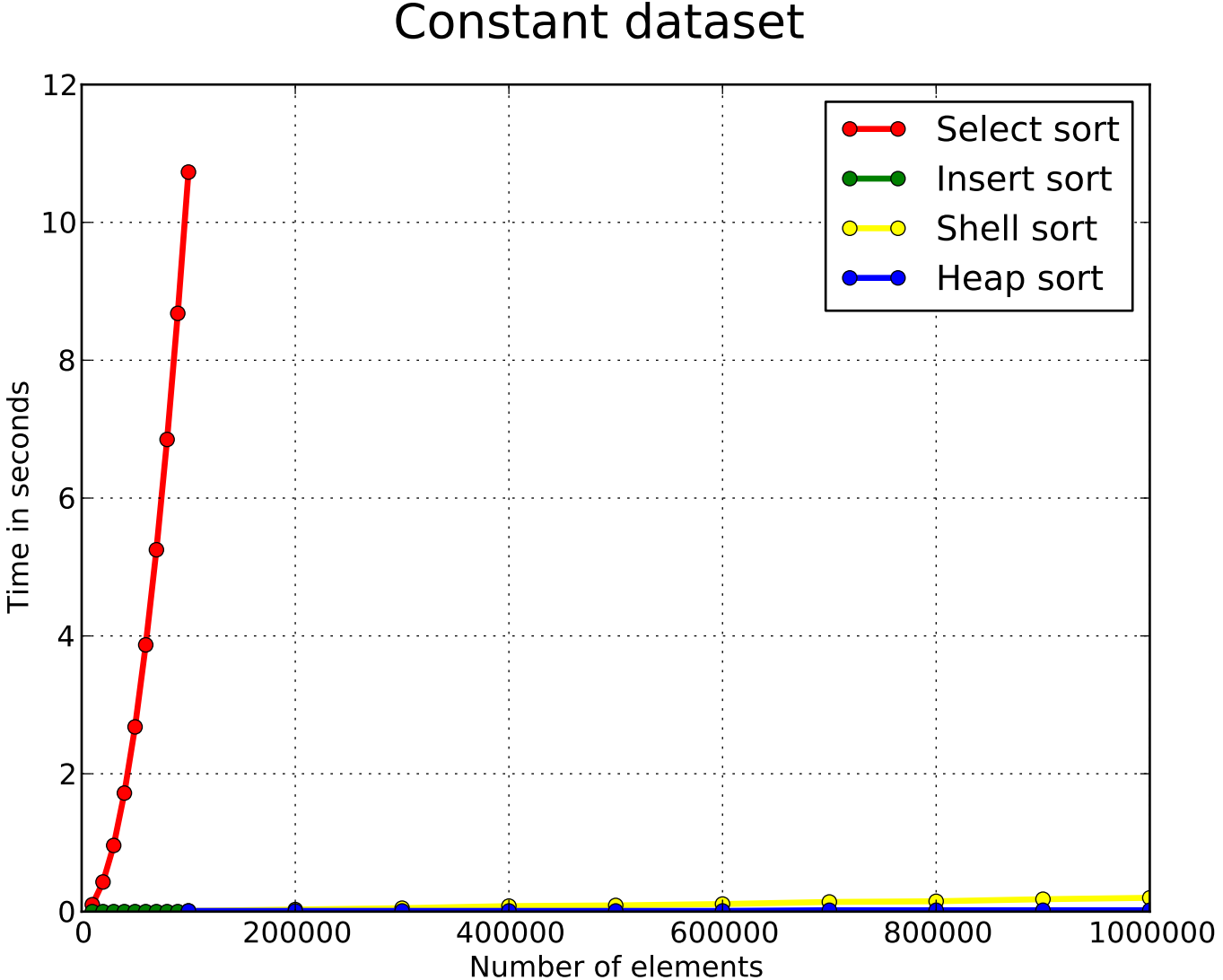
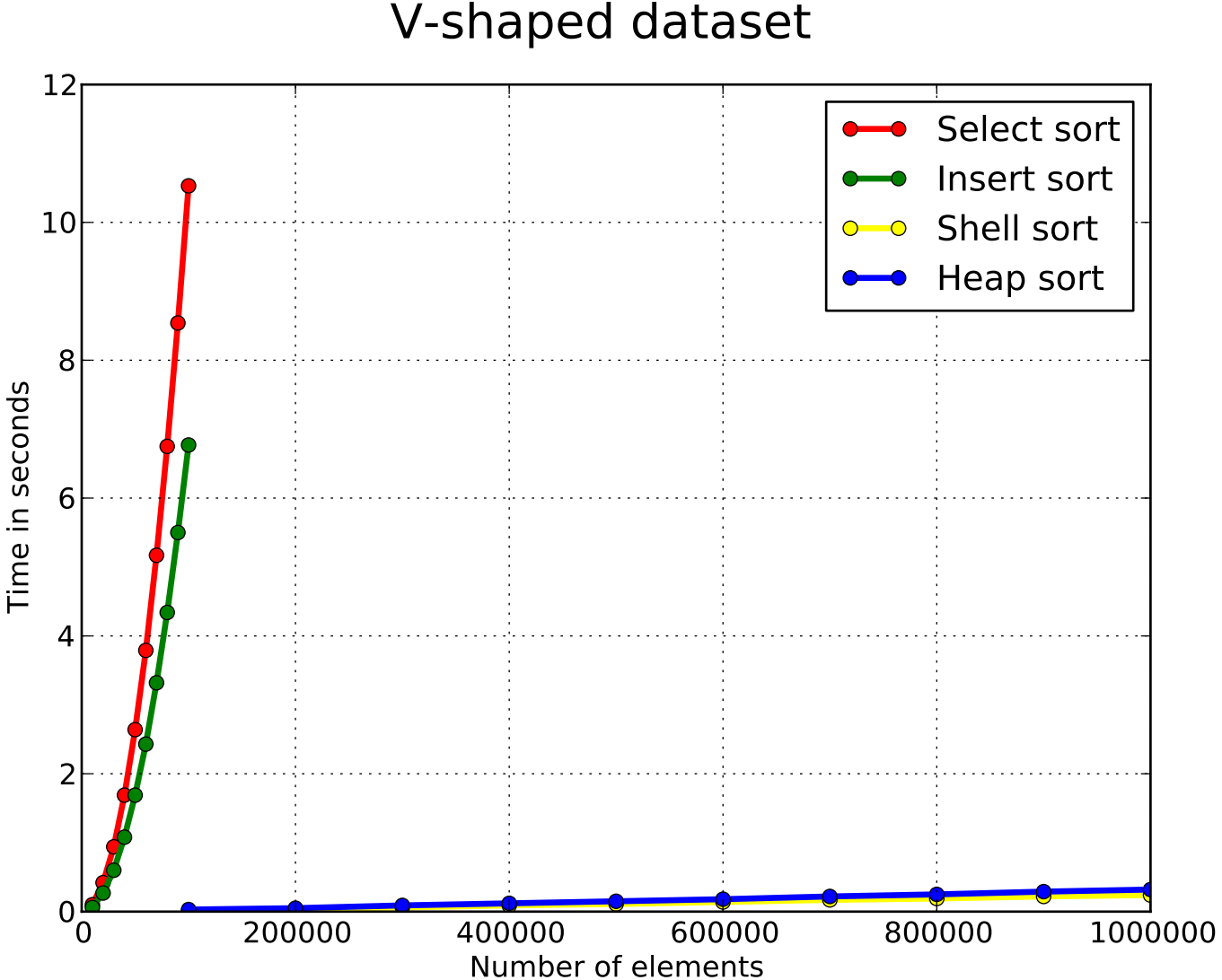

Random dataset
Select sort
Insert sort
Shell sort
Heap sort
Time in seconds
Number of elements
0
2
4
6
8
10
12
0
200000
400000
600000
800000
1000000


Ascending dataset
Select sort
Insert sort
Shell sort
Heap sort
Time in seconds
Number of elements
0
2
4
6
8
10
12
0
200000
400000
600000
800000
1000000


Descending dataset
Select sort
Insert sort
Shell sort
Heap sort
Time in seconds
Number of elements
0
2
4
6
8
10
12
14
0
200000
400000
600000
800000
1000000


Constant dataset
Select sort
Insert sort
Shell sort
Heap sort
Time in seconds
Number of elements
0
2
4
6
8
10
12
0
200000
400000
600000
800000
1000000


V-shaped dataset
Select sort
Insert sort
Shell sort
Heap sort
Time in seconds
Number of elements
0
2
4
6
8
10
12
0
200000
400000
600000
800000
1000000