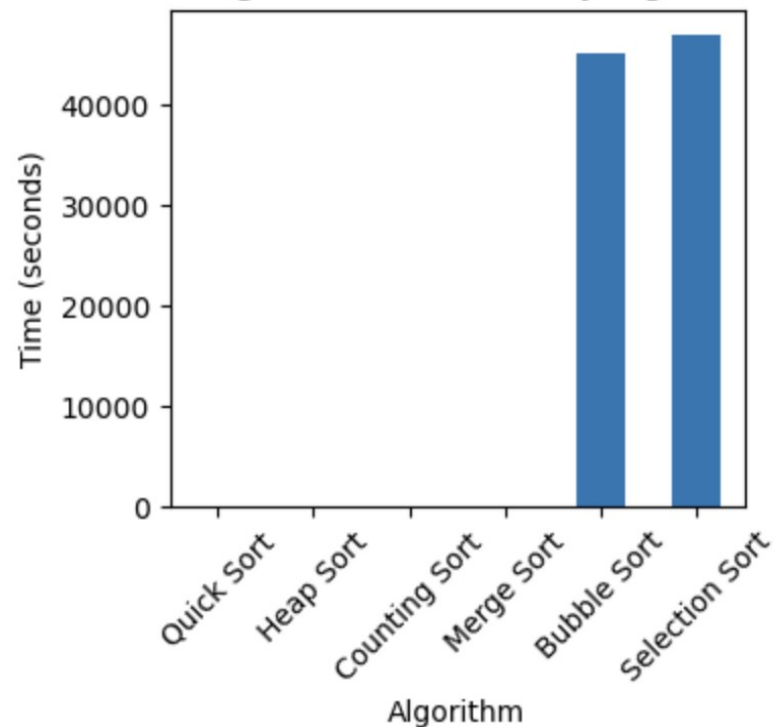# Patient Cohorts :

Patient numbers :

100000
200000
300000
400000
500000
600000
700000
800000
900000
1100000
1200000
1300000
1400000
1500000

Average Execution Time of Sorting Algorithms :

```
algorithm
Quick Sort              2.109326
Heap Sort               2.899786
Counting Sort          93.875282
Merge Sort            154.358874
Bubble Sort         45098.332544
Selection Sort      47026.475501
Name: time, dtype: float64
```
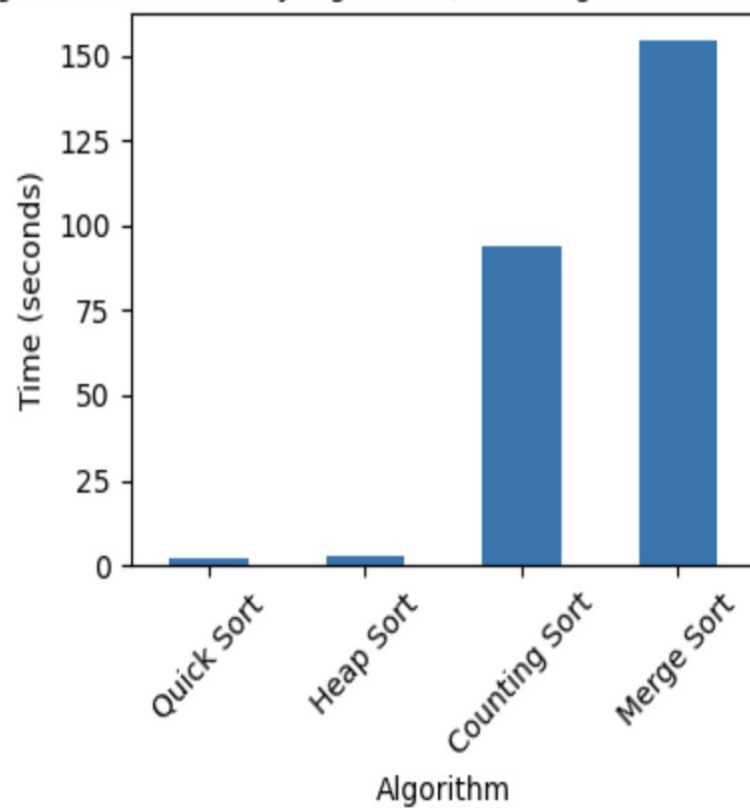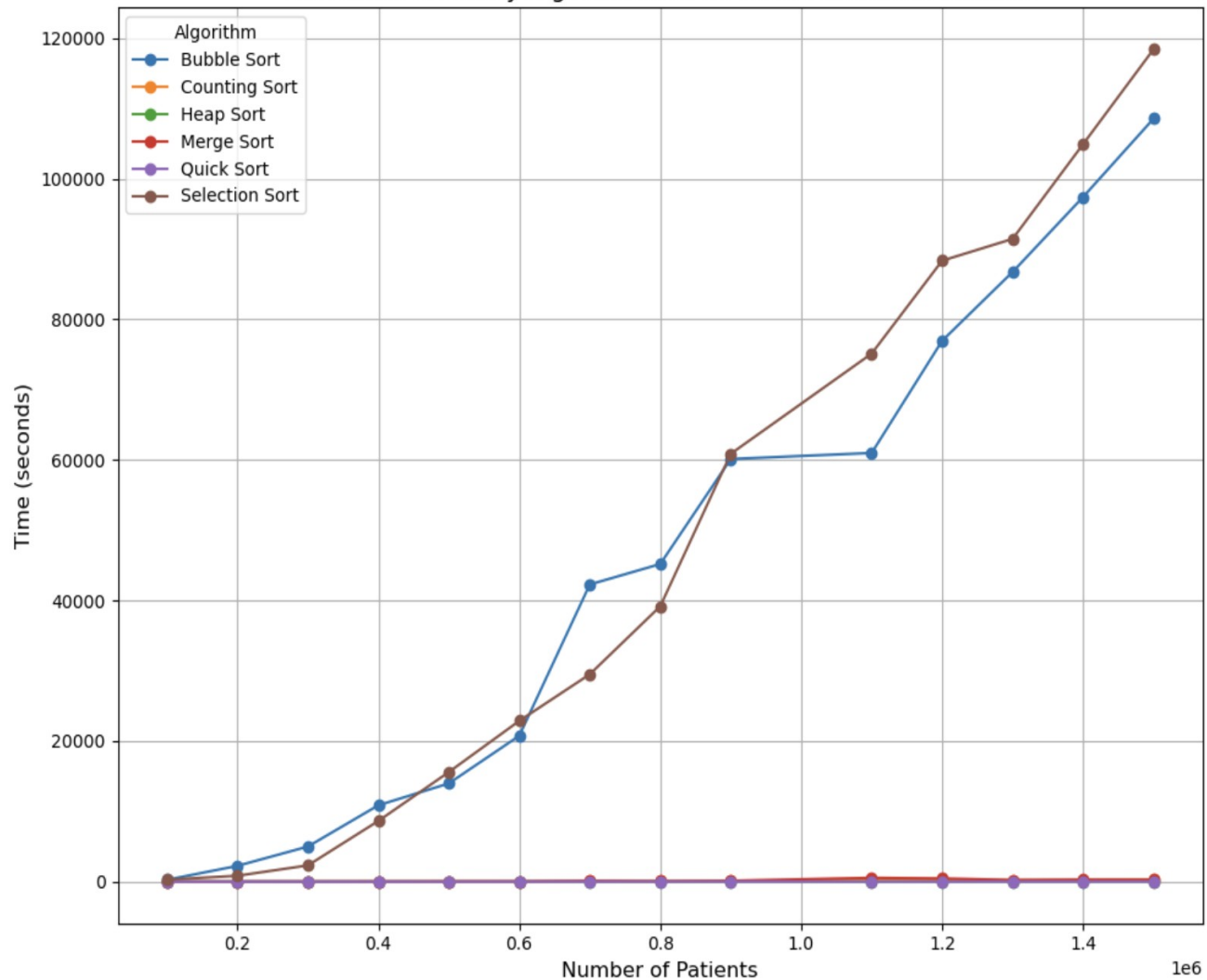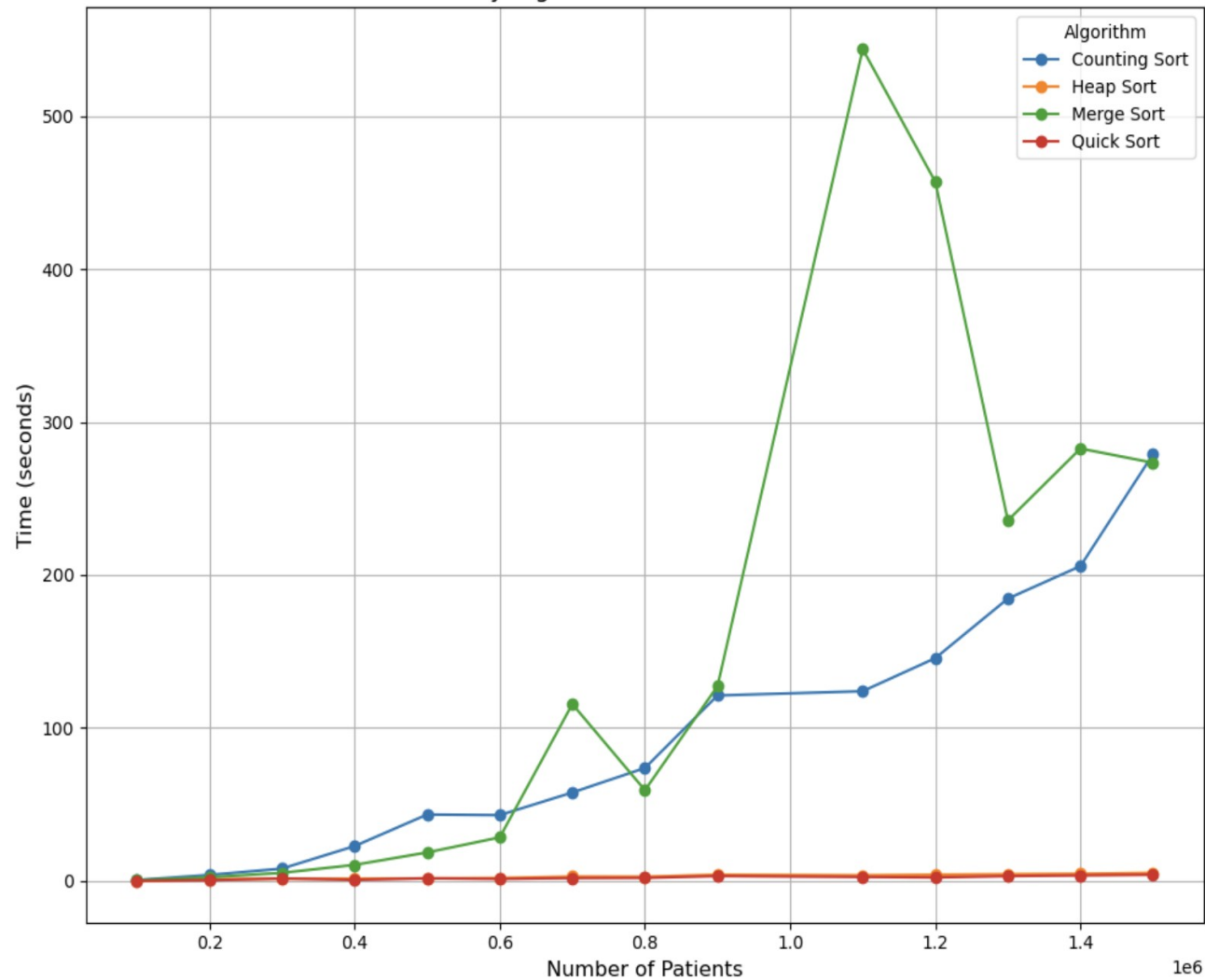
Average Execution Time by Algorithm

Average Execution Time by Algorithm (Excluding Bubble and Selection Sort)

Execution Times by Algorithm Across Different Patient Cohorts

Execution Times by Algorithm Across Different Patient Cohorts

Execution Times by Algorithm Across Different Patient Cohorts