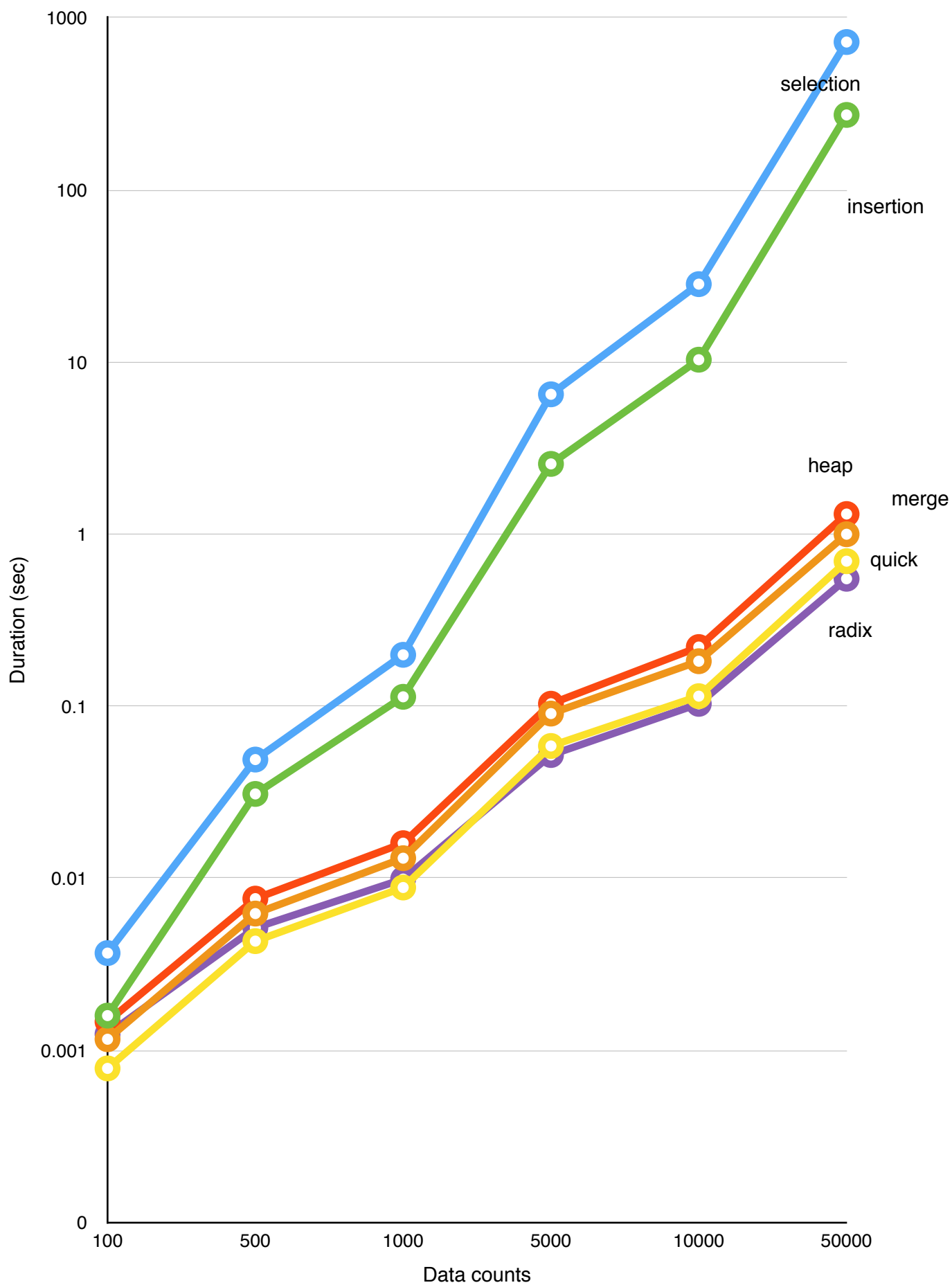


Sorting Performance



Test log:

→ assignment_1_2015_02_02 ./sorting

<selection sort> --- duration for 100 data & 100 times: 0.003668

<insertion sort> --- duration for 100 data & 100 times: 0.001589

<quick sort> --- duration for 100 data & 100 times: 0.000784

<merge sort> --- duration for 100 data & 100 times: 0.001158

<heap sort> --- duration for 100 data & 100 times: 0.001465

<radix sort> --- duration for 100 data & 100 times: 0.001240

→ assignment_1_2015_02_02 ./sorting

<selection sort> --- duration for 500 data & 100 times: 0.048863

<insertion sort> --- duration for 500 data & 100 times: 0.030849

<quick sort> --- duration for 500 data & 100 times: 0.004304

<merge sort> --- duration for 500 data & 100 times: 0.006224

<heap sort> --- duration for 500 data & 100 times: 0.007601

<radix sort> --- duration for 500 data & 100 times: 0.005144

→ assignment_1_2015_02_02 ./sorting

<selection sort> --- duration for 1000 data & 100 times: 0.198485

<insertion sort> --- duration for 1000 data & 100 times: 0.113158

<quick sort> --- duration for 1000 data & 100 times: 0.008820

<merge sort> --- duration for 1000 data & 100 times: 0.013056

<heap sort> --- duration for 1000 data & 100 times: 0.015964

<radix sort> --- duration for 1000 data & 100 times: 0.009875

→ assignment_1_2015_02_02 ./sorting

<selection sort> --- duration for 5000 data & 100 times: 6.481168

<insertion sort> --- duration for 5000 data & 100 times: 2.553730

<quick sort> --- duration for 5000 data & 100 times: 0.058608

<merge sort> --- duration for 5000 data & 100 times: 0.090411

<heap sort> --- duration for 5000 data & 100 times: 0.103155

<radix sort> --- duration for 5000 data & 100 times: 0.051929

➔ assignment_1_2015_02_02 ./sorting

<selection sort> --- duration for 10000 data & 100 times: 28.303163

<insertion sort> --- duration for 10000 data & 100 times: 10.296923

<quick sort> --- duration for 10000 data & 100 times: 0.114133

<merge sort> --- duration for 10000 data & 100 times: 0.182183

<heap sort> --- duration for 10000 data & 100 times: 0.220233

<radix sort> --- duration for 10000 data & 100 times: 0.102974

➔ assignment_1_2015_02_02 ./sorting

<selection sort> --- duration for 50000 data & 100 times: 722.467143

<insertion sort> --- duration for 50000 data & 100 times: 272.390874

<quick sort> --- duration for 50000 data & 100 times: 0.694771

<merge sort> --- duration for 50000 data & 100 times: 0.996702

<heap sort> --- duration for 50000 data & 100 times: 1.305739

<radix sort> --- duration for 50000 data & 100 times: 0.549138