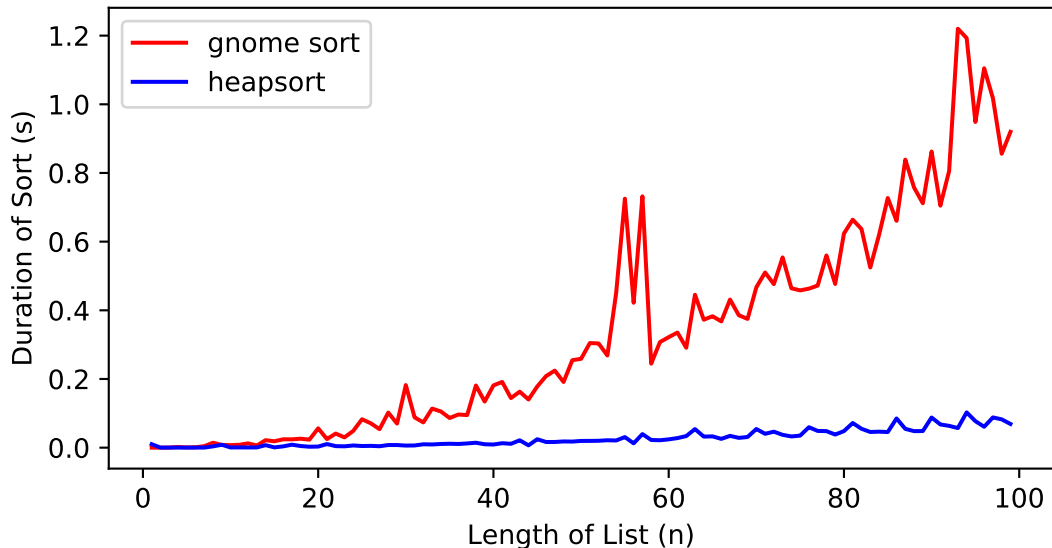


The Effect of Different Sort Algorithms on Runtime



As n increases, the gnome sort tends to take an increasingly long time. This makes sense given that it moves backwards within the list. The gnome sort is also more variable—if the randomly generated list is nearly in order, it will go quickly versus if the list is very out of order. The heapsort is mostly invariant to the starting shuffle and list size.