Sort Performance Analysis Toolkit

My system will assess the performance of various sorting algorithms by tasking these algorithms to sort various datasets of varying size and ordering with times compared.

I will load these sets from file and output the sorted sets into a new file. The algorithms will be timed during the sorting process and these times will be displayed in a database. The database will store the average times for each specific sort and the corresponding dataset used. Will use a good range of sorting algorithms and datasets.