

# Sorting Algorithms

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## 1 Introduction

[https://en.wikipedia.org/wiki/Sorting\\_algorithm](https://en.wikipedia.org/wiki/Sorting_algorithm)

<http://corte.si/posts/code/visualisingsorting/index.html>

	Best	Worst	Average	Memory	Stable	Method
Simple sorts						
Insertion sort						
Selection sort						
Efficient sorts						
Merge sort						
Heapsort						
Quicksort						
Bubble sort and variants						
Bubble sort	$\mathcal{O}(n)$	$\mathcal{O}(n^2)$	$\mathcal{O}(n^2)$	1	Yes	Exchanging
Shell sort						
Comb sort						
Distribution sort						
Counting sort						
Bucket sort						
Radix sort						

Table 1: Caption