

Stable vs Unstable Sort Algorithms

- this term comes up when we have duplicate values in our data

Unstable sort

- that means the relative ordering of duplicate items will not be preserved

If the array looks like

5	9	3	9	8	4
3	4	5	8	9	9

The same values will flip their position

Stable sort

- that means the relative ordering of duplicate items will be preserved

5	9	3	9	8	4
3	4	5	8	9	9

The same values didn't flip their position

In some situation it will matter if we use stable or unstable sort