

# Space Complexity of Data

- The vast majority of data structures have a space complexity of  $O(N)$  - as the size of the data structure increases the space it takes up increases along with it. Many sorts have a space complexity of either  $O(1)$  or  $O(N)$ .

# Space Complexity vs. Time Complexity

- While space and time complexity are measured with the same notation, an algorithm will frequently have different space and time complexities