In Review: Data Structures

Array
- Sorted Array
- Unsorted Array
  - Stacks
  - Queues
  - Hashing
  - Heaps
    - Priority Queues
  - UpTrees
    - Disjoint Sets

Linked
- Doubly Linked List
- Skip List
- Trees
  - BTree
  - Binary Tree
    - Huffman Encoding
    - kd-Tree
    - AVL Tree

Graphs
Final Exam Review Session

• Implementations
  • Edge List
  • Adjacency Matrix
  • Adjacency List

• Traversals
  • Breadth First
  • Depth First

• Minimum Spanning Tree
  • Kruskal’s Algorithm
  • Prim’s Algorithm

• Shortest Path
  • Dijkstra’s Algorithm
  • Floyd-Warshall’s Algorithm

...and this is just the beginning. The journey continues to CS 374!