C343 / Summer 2020 Lecture Trek - 23 July 30, 2020, 14:29 Clare Tidmarsh, contidmar

BST BST support these operations in Olh) time (h is the height of the tree: insention, delete, find min/max, find successer and predecessor sode ideally, in a perfectly between thee, he could be exactly = log(n). Perfectly bulneed complete BST completely unbollered BST; a path

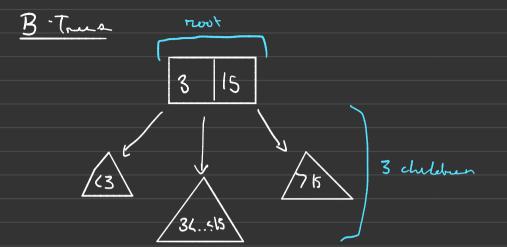
Dinary Tree Cravnouls · Any process for visiting all of the nodes in some order is called traversed. · tony tomeroad that lists every rode in the tree exactly once is called on enumeration of the tree's node.

· 3 connon tree traversals: nonder · Preorder · Post molen · Time complexity : O(n) Example of BST + AVL: Example of BST, but not AUC:

Two Spatial Data Structure: K-D Tree and P-R · (40,45) B(15,70) € (66,85) F (85,90) Ronge Sunch what does K-d stand for? K-dimensional tree

see Lecture 23 notes for a

ser Lecture 23 notes for a figure representation



The next is either a leaf on how at least 2 children.