





of In bothe these techniques first we create construct a decision - what will happen if use construct a decision tree? and this case we don't need to calculate the distance from one point to every point if we have decision tree. + what is the importance of binary tree or Decision tree? ) It takes logo times it will take -) It will not take n time or no time. of it reduces the time to reduce an element. 1 K-D Tree: (4,7) (5,6) (9,6) (2,3) (4,2) 4 5 6 7 8 9 - let's consider few data points (2,3) (4,7) (5,4) (7,2) (8,1) (9,6) Aim: whenever we get a new data point I should not calculate the distance bed wirit every point. > Now will try to find the out the median of all the 2, 4,5,7,9 \$ picking the value 7 x-onis values I how try to find out the median of all the y-axis value Median = 3+4 = 3.5 3,7,4,2,1,6 O sort the values 112,3146,7

