Data Structures and Algorithms 2 (ICS2210)

Nicholas Vella 0440803L

## The difference between AVL trees, Red-Black trees, and unbalanced BSTs.

When it comes to balancing the tree, AVL Trees requires more frequent rebalancing compared to Red-Black trees. While the unbalanced BST is the simplest form of binary search tree, it is not self- balancing. For the height, AVL guarantes to maintain a height balance factor of at most 1, while Red-Black trees has a height balance factor of at most 2 and this makes it slightly slower than AVL trees for search-intensive applications