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Algorithm ConstructRegressionTree(Examples:E, Targetattribute: t, Attr: A)
       Examples are the training examples.
       Targetattribute is the attribute whose value is to be predicted by the tree.
       Attributes is a list of other attributes
       Returns a regression tree that minimizes sum squared error
begin
   For each attribute 'a' in the attribute list A
     Let E0 = \{ (xk, tk) \text{ in } E \text{ such that } xk[a] = 0 \}
     Let E1 = \{(xk,tk) \text{ in E such that } xk[a]=1 \}
     Mu0 = mean value of tk in E0
     Mu1 = mean value of tk in E1
     SSE0 = sum over all elements in E0, (tk-Mu0) squared
     SSE1 = sum over all elements in E1, (tk-Mu1) squared
     Let Score[a] = SSE0+ SSE1
 done
    best_a = argmin Score[a], over all 'a' in A
    Let E0 = { (xk, tk) in E such that xk[best_a] = 0 }
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Let E1 = { (xk,tk) in E such that xk[best_a]=1 }

subtree is Rightchild

end

Let LeftChild = ConstructRegressionTree(E0, t, A - {best_a})
Let RightChild = ConstructRegressionTree(E1, t, A -{best_a})

Return a tree whose root is best_a, and left subtree is LeftChild and right