



Fake News Detection Project

Algorithm 1. Algorithm of the proposed decision tree classification model

Input: Predefined classes with 17,000 number of features.

Output: decision tree construction.

Begin

Step 1: Make the tree's root node.

Step 2:

 Return leaf node 'positive' if all instances are positive.

 Return leaf node 'negative' if all instances are negative.

Step 3: Determine the current state's entropy $H(S)$

Step 4: Calculate the entropy for each characteristic.

Step 5: Choose the attribute with the highest IG value (S, x)

Step 6: From the list of attributes, remove the attribute with the greatest IG.

Step 7: Continue until all characteristics have been exhausted or the decision tree has all leaf nodes.

End

Thank You