Q2b

##
Max Depth: 1 // Split Criteria: entropy
0.7061224489795919
Max Depth: 1 // Split Criteria: gini
0.7061224489795919
Max Depth: 4 // Split Criteria: entropy
0.7979591836734694
Max Depth: 4 // Split Criteria: gini
0.7979591836734694
Max Depth: 8 // Split Criteria: entropy
0.8122448979591836
Max Depth: 8 // Split Criteria: gini
0.8061224489795918
Max Depth: 12 // Split Criteria: entropy
0.7979591836734694
Max Depth: 12 // Split Criteria: gini
0.8
Max Depth: 16 // Split Criteria: entropy
0.7979591836734694
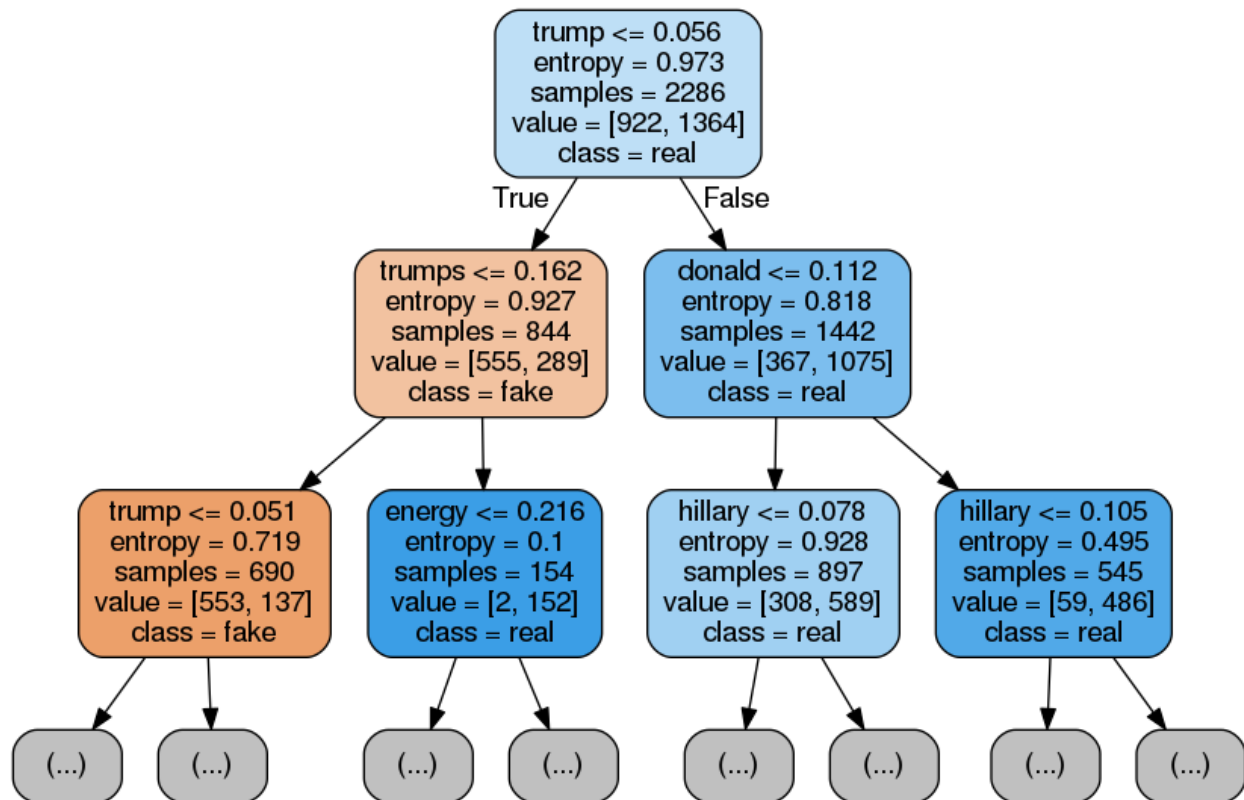Max Depth: 16 // Split Criteria: gini
0.8020408163265306

##
Best Results:
Max Depth: 8 // Split Criteria: entropy
0.8122448979591836

Q2c

Q2d

Top Most Split

xi = trump
Information Gain: 0.0

Other Keywords

xi = trumps
Information Gain: 0.04220966182255703

xi = donald
Information Gain: 0.061356080101067745

xi = energy
Information Gain: 0.0006265773118947493

xi = hillary
Information Gain: 0.0346947343091627

xi = canada
Information Gain: 0.00026722978593374247

xi = somemadeupword
Information Gain: 0.0

xi = the
Information Gain: 0.05199581265636355

xi = cat
Information Gain: 0.00021816249648642927