

Final Report

2022-12-19 18:05:31.709545

For Split Size 25.0% The Accuracy: 95.43245869776482%

Check to See the Image in ["./graphs/BankNote_Authentication_tree_for_Size_25.0%.png"](#)

For Split Size 81.37% The Accuracy: 98.4375%

Check to See the Image in ["./graphs/BankNote_Authentication_tree_for_Size_81.37%.png"](#)

For Split Size 77.85% The Accuracy: 97.03947368421053%

Check to See the Image in ["./graphs/BankNote_Authentication_tree_for_Size_77.85%.png"](#)

For Split Size 82.48% The Accuracy: 97.0954356846473%

Check to See the Image in ["./graphs/BankNote_Authentication_tree_for_Size_82.48%.png"](#)

For Split Size 85.65% The Accuracy: 98.47715736040608%

Check to See the Image in ["./graphs/BankNote_Authentication_tree_for_Size_85.65%.png"](#)

For Split Size 81.67999999999999% The Accuracy: 96.82539682539682%

Check to See the Image in ["./graphs/BankNote_Authentication_tree_for_Size_81.67999999999999%.png"](#)

In Test number 0 For Split Size30.0% with Random Seed 596243 The Accuracy: 96.3579604578564%

Check to See the Image in `"/graphs/BankNote_Authentication_tree_for_Size_30.0%.png"`

In Test number 1 For Split Size30.0% with Random Seed 811209 The Accuracy: 97.9188345473465%

Check to See the Image in `"/graphs/BankNote_Authentication_tree_for_Size_30.0%.png"`

In Test number 2 For Split Size30.0% with Random Seed 530230 The Accuracy: 96.04578563995838%

Check to See the Image in `"/graphs/BankNote_Authentication_tree_for_Size_30.0%.png"`

In Test number 3 For Split Size30.0% with Random Seed 724164 The Accuracy: 97.1904266389178%

Check to See the Image in `"/graphs/BankNote_Authentication_tree_for_Size_30.0%.png"`

In Test number 4 For Split Size30.0% with Random Seed 291324 The Accuracy: 96.67013527575442%

Check to See the Image in `"/graphs/BankNote_Authentication_tree_for_Size_30.0%.png"`

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For Split Set_Size 30.0% mean=0.968366285119667 minimum=0.9604578563995838 maximum=0.9791883454734651

For the Tree sizes mean=31.4 minimum=27.0 maximum=37.0

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In Test number 0 For Split Size40.0% with Random Seed 19082 The Accuracy: 96.60194174757282%

Check to See the Image in "/graphs/BankNote_Authentication_tree_for_Size_40.0%.png"

In Test number 1 For Split Size40.0% with Random Seed 321336 The Accuracy: 97.57281553398059%

Check to See the Image in "/graphs/BankNote_Authentication_tree_for_Size_40.0%.png"

In Test number 2 For Split Size40.0% with Random Seed 963922 The Accuracy: 98.30097087378641%

Check to See the Image in "/graphs/BankNote_Authentication_tree_for_Size_40.0%.png"

In Test number 3 For Split Size40.0% with Random Seed 665216 The Accuracy: 97.57281553398059%

Check to See the Image in "/graphs/BankNote_Authentication_tree_for_Size_40.0%.png"

In Test number 4 For Split Size40.0% with Random Seed 850317 The Accuracy: 98.66504854368931%

Check to See the Image in "/graphs/BankNote_Authentication_tree_for_Size_40.0%.png"

For Split Set_Size 40.0% mean=0.9774271844660195 minimum=0.9660194174757282 maximum=0.9866504854368932

For the Tree sizes mean=36.2 minimum=33.0 maximum=41.0

In Test number 0 For Split Size50.0% with Random Seed 554298 The Accuracy: 97.81341107871721%

Check to See the Image in `"/graphs/BankNote_Authentication_tree_for_Size_50.0%.png"`

In Test number 1 For Split Size50.0% with Random Seed 25099 The Accuracy: 97.08454810495627%

Check to See the Image in `"/graphs/BankNote_Authentication_tree_for_Size_50.0%.png"`

In Test number 2 For Split Size50.0% with Random Seed 45046 The Accuracy: 97.95918367346938%

Check to See the Image in `"/graphs/BankNote_Authentication_tree_for_Size_50.0%.png"`

In Test number 3 For Split Size50.0% with Random Seed 861689 The Accuracy: 98.10495626822157%

Check to See the Image in `"/graphs/BankNote_Authentication_tree_for_Size_50.0%.png"`

In Test number 4 For Split Size50.0% with Random Seed 53426 The Accuracy: 97.37609329446065%

Check to See the Image in `"/graphs/BankNote_Authentication_tree_for_Size_50.0%.png"`

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For Split Set_Size 50.0% mean=0.9766763848396502 minimum=0.9708454810495627 maximum=0.9810495626822158

For the Tree sizes mean=34.6 minimum=29.0 maximum=39.0

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In Test number 0 For Split Size60.0% with Random Seed 271459 The Accuracy: 97.26775956284153%

Check to See the Image in `"/graphs/BankNote_Authentication_tree_for_Size_60.0%.png"`

In Test number 1 For Split Size60.0% with Random Seed 483601 The Accuracy: 99.08925318761385%

Check to See the Image in `"/graphs/BankNote_Authentication_tree_for_Size_60.0%.png"`

In Test number 2 For Split Size60.0% with Random Seed 825703 The Accuracy: 97.632058287796%

Check to See the Image in `"/graphs/BankNote_Authentication_tree_for_Size_60.0%.png"`

In Test number 3 For Split Size60.0% with Random Seed 263964 The Accuracy: 98.54280510018215%

Check to See the Image in `"/graphs/BankNote_Authentication_tree_for_Size_60.0%.png"`

In Test number 4 For Split Size60.0% with Random Seed 115526 The Accuracy: 98.1785063752277%

Check to See the Image in `"/graphs/BankNote_Authentication_tree_for_Size_60.0%.png"`

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For Split Set_Size 60.0% mean=0.9814207650273226 minimum=0.9726775956284153 maximum=0.9908925318761385

For the Tree sizes mean=43.0 minimum=33.0 maximum=51.0

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In Test number 0 For Split Size70.0% with Random Seed 435646 The Accuracy: 98.7864077669903%

Check to See the Image in `"/graphs/BankNote_Authentication_tree_for_Size_70.0%.png"`

In Test number 1 For Split Size70.0% with Random Seed 126736 The Accuracy: 97.81553398058253%

Check to See the Image in `"/graphs/BankNote_Authentication_tree_for_Size_70.0%.png"`

In Test number 2 For Split Size70.0% with Random Seed 234664 The Accuracy: 98.30097087378641%

Check to See the Image in `"/graphs/BankNote_Authentication_tree_for_Size_70.0%.png"`

In Test number 3 For Split Size70.0% with Random Seed 620077 The Accuracy: 98.05825242718447%

Check to See the Image in `"/graphs/BankNote_Authentication_tree_for_Size_70.0%.png"`

In Test number 4 For Split Size70.0% with Random Seed 639182 The Accuracy: 97.57281553398059%

Check to See the Image in `"/graphs/BankNote_Authentication_tree_for_Size_70.0%.png"`

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For Split Set_Size 70.0% mean=0.9810679611650486 minimum=0.9757281553398058 maximum=0.9878640776699029

For the Tree sizes mean=42.2 minimum=35.0 maximum=47.0

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For All the Trees mean=38.6 minimum=29 maximum=51