**Decision Tree**

Criterion: giant ratio

Maximal depth: 10

Apply pruning: Confidence: 0.1

Apply prepruning: minimal gain: 0.01

Leaf size: 2

Accuracy on 100%:

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Accuracy on 50%:

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Cross Validation:

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Best:

Criterion:

Maximal depth:

Apply pruning: Confidence:

Apply prepruning: minimal gain:

Leaf size:

50%

90.97 changing

Minimal leaf to 5

Same if we change max depth to 5

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100%

99.25

Information gain/-1/0.01/0.001/1

CV

90.92

90.98

Accuracy/-1/0.01/0.001/3

**SVM**

Kernel type: dot

C: 0.0

Convergence epsilon: 0.001

L pos: 1.0

L neg: 1.0

Epsilon: 0.0

Epsilon plus: 0.0

Epsilon minus: 0.0

**50%**

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**Best:**

91.63

dot/10/0.001/2.0/1.0/0.0/0.0/0.0

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**100%**

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**Best:**

100

radial/2.0/1000.0/0.001/2.0/1.0/0.0/0.0/0.0

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Cross validation

Default: 90.72

**Best:**

91.26

Dot/10.0/0.001/1.0/1.0/0.0/0.0/0.0

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**Naïve Bayes:**

No parm

100%

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50%

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**Best**:

100%

88.13

**Best**:

50%

88.31

**Cross validation:**

88.15

No parm

**KNN:**

K: 5

Measure type: mix

Mix measure: mix Euclidean dist

100%

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Best: 100

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50%

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**Best: 100**

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Cross validation:

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Best:

91.44

K:20/measure types: Numerical measures/mixed measure: mixed Euclidean Distance

ConfusionMatrix:

True: Yes No

Yes: 260 77

No: 676 7782