=== Run information ===

Scheme: weka.classifiers.trees.J48 -C 0.25 -M 2

Relation: agaricus-lepiota

Instances: 8124

Attributes: 23

class

cap\_shape

cap\_surface

cap\_color

bruises

odor

gill\_attachment

gill\_spacing

gill\_size

gill\_color

stalk\_shape

stalk\_root

stalk\_surface\_above\_ring

stalk\_surface\_below\_ring

stalk\_color\_above\_ring

stalk\_color\_below\_ring

veil\_type

veil\_color

ring\_number

ring\_type

spore\_print\_color

population

habitat

Test mode: 10-fold cross-validation

=== Classifier model (full training set) ===

J48 pruned tree

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odor = p: p (256.0)

odor = a: e (400.0)

odor = l: e (400.0)

odor = n

| spore\_print\_color = k: e (1296.0)

| spore\_print\_color = n: e (1344.0)

| spore\_print\_color = u: e (0.0)

| spore\_print\_color = h: e (48.0)

| spore\_print\_color = w

| | gill\_size = n

| | | gill\_spacing = c: p (32.0)

| | | gill\_spacing = w

| | | | population = s: e (0.0)

| | | | population = n: e (0.0)

| | | | population = a: e (0.0)

| | | | population = v: e (48.0)

| | | | population = y: e (0.0)

| | | | population = c: p (16.0)

| | gill\_size = b: e (528.0)

| spore\_print\_color = r: p (72.0)

| spore\_print\_color = o: e (48.0)

| spore\_print\_color = y: e (48.0)

| spore\_print\_color = b: e (48.0)

odor = f: p (2160.0)

odor = c: p (192.0)

odor = y: p (576.0)

odor = s: p (576.0)

odor = m: p (36.0)

Number of Leaves : 24

Size of the tree : 29

Time taken to build model: 0.06 seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances 8124 100 %

Incorrectly Classified Instances 0 0 %

Kappa statistic 1

Mean absolute error 0

Root mean squared error 0

Relative absolute error 0 %

Root relative squared error 0 %

Total Number of Instances 8124

=== Detailed Accuracy By Class ===

TP Rate FP Rate Precision Recall F-Measure ROC Area Class

1 0 1 1 1 1 p

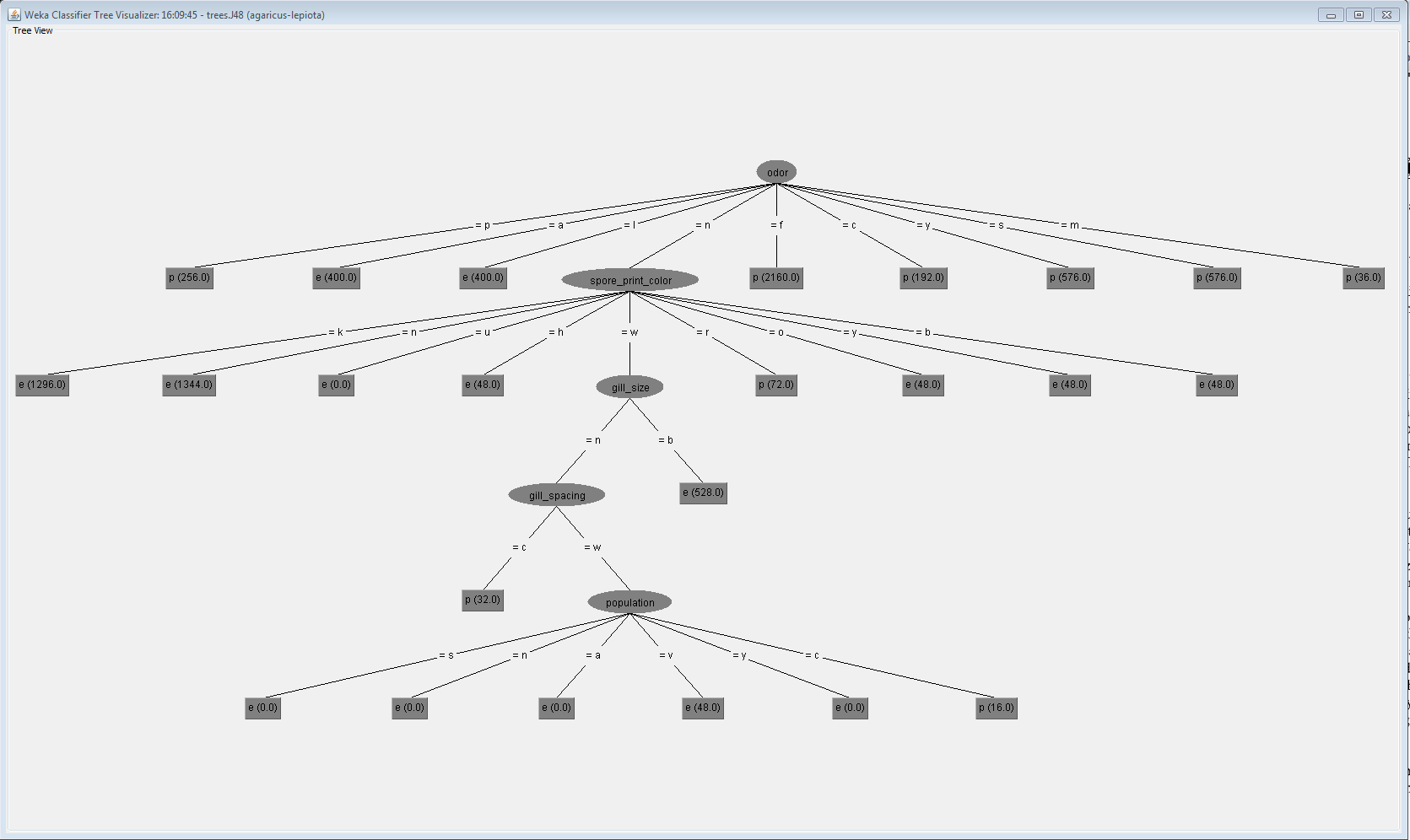
1 0 1 1 1 1 e

Weighted Avg. 1 0 1 1 1 1

=== Confusion Matrix ===

a b <-- classified as

3916 0 | a = p

 0 4208 | b = e

=== Run information ===

Scheme: weka.classifiers.rules.JRip -F 3 -N 2.0 -O 2 -S 1

Relation: agaricus-lepiota

Instances: 8124

Attributes: 23

class

cap\_shape

cap\_surface

cap\_color

bruises

odor

gill\_attachment

gill\_spacing

gill\_size

gill\_color

stalk\_shape

stalk\_root

stalk\_surface\_above\_ring

stalk\_surface\_below\_ring

stalk\_color\_above\_ring

stalk\_color\_below\_ring

veil\_type

veil\_color

ring\_number

ring\_type

spore\_print\_color

population

habitat

Test mode: 10-fold cross-validation

=== Classifier model (full training set) ===

JRIP rules:

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( odor = f) => class=p (2160.0/0.0)

( gill\_size = n) and ( gill\_color = b) => class=p (1152.0/0.0)

( gill\_size = n) and ( odor = p) => class=p (256.0/0.0)

( odor = c) => class=p (192.0/0.0)

( spore\_print\_color = r) => class=p (72.0/0.0)

( stalk\_surface\_below\_ring = y) and ( stalk\_surface\_above\_ring = k) => class=p (68.0/0.0)

( habitat = l) and ( cap\_color = w) => class=p (8.0/0.0)

( stalk\_color\_above\_ring = y) => class=p (8.0/0.0)

=> class=e (4208.0/0.0)

Number of Rules : 9

Time taken to build model: 0.25 seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances 8124 100 %

Incorrectly Classified Instances 0 0 %

Kappa statistic 1

Mean absolute error 0

Root mean squared error 0

Relative absolute error 0 %

Root relative squared error 0 %

Total Number of Instances 8124

=== Detailed Accuracy By Class ===

TP Rate FP Rate Precision Recall F-Measure ROC Area Class

1 0 1 1 1 1 p

1 0 1 1 1 1 e

Weighted Avg. 1 0 1 1 1 1

=== Confusion Matrix ===

a b <-- classified as

3916 0 | a = p

0 4208 | b = e