Appendix:

Decision tree diagram.

Root node:
X[4] <= 1.250
gini = 0.735456778803
samples = 701

X[0] <= 42.6050
gini = 0.570586993992
samples = 352

X[3] <= 3.50900
gini = 0.665424749972
samples = 349

X[1] <= 0.0000
gini = 0.910492561
samples = 101

X[5] <= 7.4000
gini = 0.552208875
samples = 32

X[3] <= 1.1250
gini = 0.624366529918
samples = 163

X[1] <= 83930
gini = 0.598765473399
samples = 157

X[0] <= 39.7400
gini = 0.643092756673
samples = 125

X[4] <= 0.7900
gini = 0.191092561
samples = 96

X[1] <= 0.12650
gini = 0.266836584649
samples = 75

X[3] <= 4.42000
gini = 0.446236763705
samples = 23

X[2] <= 0.8100
gini = 0.578512996694
samples = 11

X[1] <= 0.0359
gini = 0.5125
samples = 8

X[4] <= 0.7400
gini = 0.975108641498
samples = 9

X[1] <= 2.9000
gini = 0.534584565455
samples = 11

X[3] <= 24.3350
gini = 0.703703703703
samples = 9

X[4] <= 7.1350
gini = 0.403703703703
samples = 6

X[3] <= 14.5400
gini = 0.691358024691
samples = 9

X[2] <= 0.3900
gini = 0.444444444444
samples = 6

X[0] <= 45.3450
gini = 0.444444444444
samples = 3

X[4] <= 2.2850
gini = 0.444444444444
samples = 3

X[2] <= 3.0750
gini = 0.444444444444
samples = 5

X[5] <= 0.1315
gini = 0.147938235375
samples = 64

X[1] <= 0.0635
gini = 0.329693082906
samples = 78

X[3] <= 34.3100
gini = 0.444444444444
samples = 6

X[2] <= 5.5850
gini = 0.04164
samples =

X[2] <= 5
gini = 0.04164
samples =

X[0] <= 0.0
gini = 0.0
samples =

X[5] <= 0.1315
gini = 0.283177777778
samples = 75

X[2] <= 0.631
gini = 0.111111111111
samples = 6

X[3] <= 34.150
gini = 0.0
samples =

X[2] <= 0.0635
gini = 0.329693082906
samples = 96

X[1] <= 0.0635
gini = 0.23160059614
samples = 69

X[5] <= 0.1845
gini = 0.297530661157
samples = 11

X[2] <= 1.5450
gini = 0.480296296
samples = 64

X[0] <= 42.8500
gini = 0.444444444444
samples = 3

X[1] <= 0.1060
gini = 0.124419896
samples = 65

X[1] <= 0.1
gini = 0.044444444444
samples = 3

gini = 0.0000
samples = 1
value = [1, 0, 0, 0]

gini = 0.0000
samples = 1
value = [0, 4, 0, 0]

gini = 0.0000
samples = 1
value = [0, 0, 0, 5]

gini = 0.0000
samples = 1
value = [0, 1, 0, 0]

gini = 0.0000
samples = 13
value = [0, 13, 0]

gini = 0.0000
samples = 15
value = [15, 0, 0, 0]

gini = 0.0000
samples = 16
value = [15, 0, 0, 0]

gini = 0.0000
samples = 2
value = [0, 0, 0, 1]

gini = 0.0000
samples = 1
value = [1, 0, 0, 0]

gini = 0.0000
samples = 1
value = [0, 1, 0, 0]

gini = 0.0000
samples = 5
value = [15, 0, 0, 0]

X[2] <= 1.3100
gini = 0.432936361965
samples = 186

X[0] <= 1.0350
gini = 0.660492825714
samples = 28

X[5] <= 0.1650
gini = 0.270808997215
samples = 158

X[3] <= 0.1350
gini = 0.660492825714
samples = 18

X[0] <= 43.7930
gini = 0.42
samples = 10

X[5] <= 0.0950
gini = 0.32
samples = 5

X[1] <= 0.9100
gini = 0.54
samples = 10

X[2] <= 0.8025
gini = 0.9025
samples = 8

X[2] <= 0.6350
gini = 0.244897959184
samples = 7

X[2] <= 0.5000
gini = 0.58047137278
samples = 13

gini = 0.0000
samples = 4
value = [0, 4, 0, 0]

gini = 0.0000
samples = 2
value = [0, 1, 0, 0]

gini = 0.0000
samples = 2
value = [0, 0, 0, 2]

gini = 0.0000
samples = 3
value = [0, 0, 0, 3]

X[1] <= 2.2300
gini = 0.5
samples = 8

X[0] <= 56.6000
gini = 0.5
samples = 2

gini = 0.0000
samples = 1
value = [1, 0, 0, 0]

gini = 0.0000
samples = 2
value = [1, 0, 0, 0]

X[0] <= 4.3790
gini = 0.2375
samples = 10

X[1] <= 0.8300
gini = 0.444444444444
samples = 3

gini = 0.0000
samples = 8
value = [5, 0, 0, 0]

gini = 0.0000
samples = 2
value = [0, 0, 2, 0]

gini = 0.0000
samples = 1
value = [0, 0, 1, 0]

gini = 0.0000
samples = 3
value = [2, 0, 0, 0]

X[3] <= 36.9950
gini = 0.244897959184
samples = 7

X[3] <= 42.9850
gini = 0.897777777778
samples = 15

X[1] <= 0.0315
gini = 0.2375
samples = 8

X[4] <= 1.4650
gini = 0.190428383565
samples = 148

gini = 0.0000
samples = 6
value = [0, 6, 0, 0]

gini = 0.0000
samples = 1
value = [0, 0, 1, 0]

gini = 0.0000
samples = 7
value = [0, 0, 7, 0]

gini = 0.0000
samples = 1
value = [0, 1, 0, 0]

X[2] <= 4.2250
gini = 0.444444444444
samples = 3

X[2] <= 0.3090
gini = 0.128215275603
samples = 133

X[3] <= 36.6000
gini = 0.064
samples = 15

X[3] <= 1.1490
gini = 0.04027777777778
samples = 36

gini = 0.0000
samples = 5
value = [0, 5, 0, 0]

X[5] <= 0.3700
gini = 0.444444444444
samples = 3

X[5] <= 0.1230
gini = 0.456064152314
samples = 11

gini = 0.0000
samples = 1
value = [1, 0, 0, 0]

gini = 0.0000
samples = 21
value = [0, 0, 21, 0]

gini = 0.0000
samples = 97
value = [0, 0, 97, 0]

gini = 0.0000
samples = 2
value = [0, 2, 0, 0]

gini = 0.0000
samples = 1
value = [0, 1, 0, 0]

X[3] <= 36.6750
gini = 0.72
samples = 10

X[1] <= 0.250
gini = 0.64
samples = 5

gini = 0.0000
samples = 2
value = [0, 2, 0, 0]

X[4] <= 3.6350
gini = 0.444444444444
samples = 3

X[3] <= 38.7500
gini = 0.32
samples = 5

gini = 0.0000
samples = 1
value = [1, 0, 0, 0]

gini = 0.0000
samples = 4
value = [0, 0, 0, 4]

gini = 0.0000
samples = 1
value = [1, 0, 0, 0]

gini = 0.0000
samples = 1
value = [0, 0, 2, 0]

gini = 0.0000
samples = 3
value = [2, 0, 0, 0]

gini = 0.0000
samples = 1
value = [0, 0, 1, 0]

gini = 0.0000
samples = 3
value = [0, 0, 0, 2]

gini = 0.0000
samples = 1
value = [0, 0, 0, 2]

gini = 0.0000
samples = 2
value = [1, 0, 0, 0]

gini = 0.0000
samples = 1
value = [0, 0, 1, 0]

X[2] <= 5.5230
gini = 0.244897959184
samples = 7

gini = 0.0000
samples = 6
value = [0, 0, 0, 6]

X[4] <= 7.6000
gini = 0.32
samples = 5

gini = 0.0000
samples = 1
value = [0, 1, 0, 0]

gini = 0.0000
samples = 4
value = [0, 0, 0, 4]