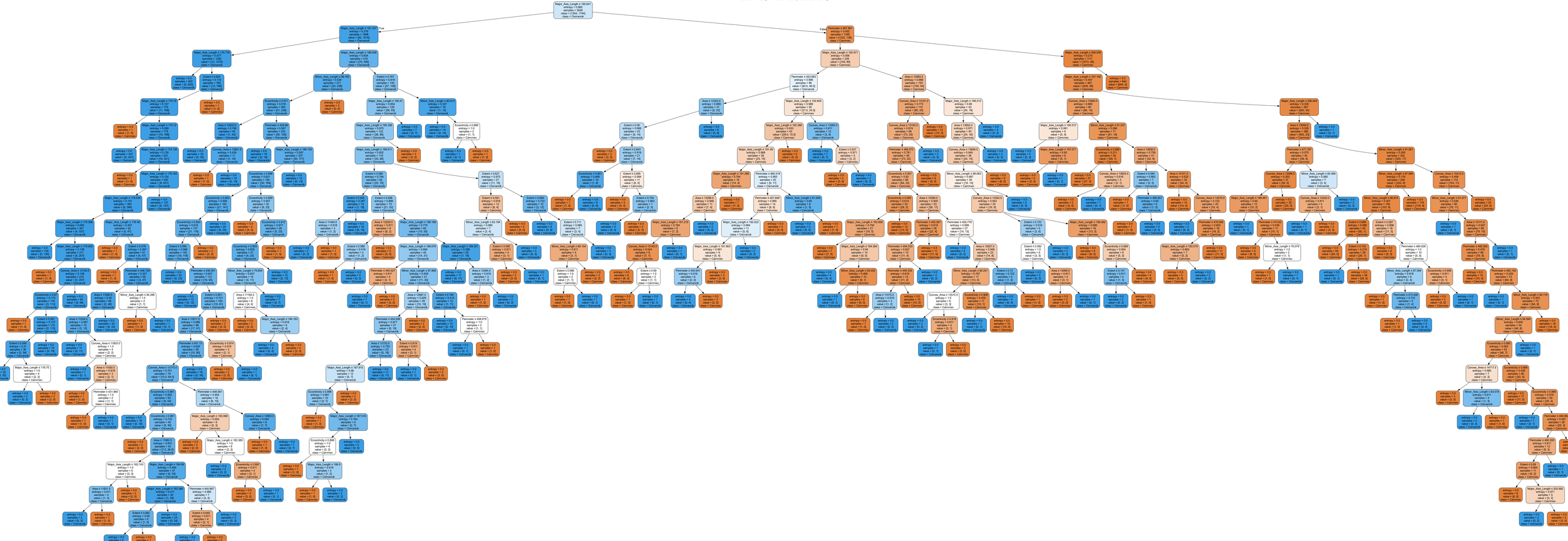
Decision Tree (Train Size = 80%, Test Size = 20%)


Major_Axis_Length ≤ 190.641
entropy = 0.995
samples = 1282
value = [1264, 1744]
class = Osmancik
True
False
Major_Axis_Length ≤ 161.207
entropy = 0.273
samples = 1027
value = [32, 1615]
class = Osmancik
Perimeter ≤ 467.891
entropy = 0.431
samples = 255
value = [1232, 129]
class = Cammeo
Major_Axis_Length ≤ 170.779
entropy = 0.077
samples = 1282
value = [0, 1744]
class = Osmancik
Minor_Axis_Length ≤ 196.548
entropy = 0.004
samples = 416
value = [0, 1615]
class = Osmancik
Major_Axis_Length ≤ 192.971
entropy = 0.056
samples = 239
value = [1232, 129]
class = Cammeo
Major_Axis_Length ≤ 206.059
entropy = 0.215
samples = 1111
value = [429, 36]
class = Cammeo
Major_Axis_Length ≤ 179.179
entropy = 0.107
samples = 779
value = [0, 1063]
class = Osmancik
Extent ≤ 0.824
entropy = 0.222
samples = 1282
value = [12, 1744]
class = Osmancik
Minor_Axis_Length ≤ 99.765
entropy = 0.271
samples = 411
value = [31, 228]
class = Osmancik
Extent ≤ 0.797
entropy = 0.003
samples = 5
value = [1, 1387]
class = Osmancik
Perimeter ≤ 453.983
entropy = 0.08
samples = 96
value = [40.0, 46.0]
class = Osmancik
Major_Axis_Length ≤ 192.605
entropy = 0.503
samples = 21
value = [20.0, 24.0]
class = Osmancik
Convex_Area ≤ 13293.5
entropy = 0.811
samples = 218
value = [12, 36]
class = Osmancik
Major_Axis_Length ≤ 199.213
entropy = 0.99
samples = 43
value = [24, 19]
class = Cammeo
Major_Axis_Length ≤ 197.199
entropy = 0.005
samples = 467
value = [429, 36]
class = Cammeo
entropy = 0.0
samples = 644
value = [644, 0]
class = Cammeo
Major_Axis_Length ≤ 174.119
entropy = 0.099
samples = 778
value = [0, 1062]
class = Osmancik
Eccentricity ≤ 0.975
entropy = 0.016
samples = 299
value = [31, 228]
class = Osmancik
Major_Axis_Length ≤ 187.729
entropy = 0.001
samples = 1
value = [1, 0]
class = Cammeo
Major_Axis_Length ≤ 190.395
entropy = 0.073
samples = 4
value = [0, 1387]
class = Osmancik
Major_Axis_Length ≤ 190.93
entropy = 0.337
samples = 10
value = [1, 0]
class = Cammeo
Extent ≤ 0.56
entropy = 0.966
samples = 21
value = [20.0, 22.0]
class = Osmancik
Major_Axis_Length ≤ 191.49
entropy = 0.998
samples = 38
value = [28.0, 31.0]
class = Osmancik
Convex_Area ≤ 13263.5
entropy = 0.811
samples = 5
value = [4, 1]
class = Cammeo
Area ≤ 12353.0
entropy = 0.869
samples = 21
value = [21.0, 24.0]
class = Osmancik
Convex_Area ≤ 13359.0
entropy = 0.773
samples = 102
value = [85, 29]
class = Cammeo
Major_Axis_Length ≤ 206.354
entropy = 0.332
samples = 667
value = [660, 34]
class = Cammeo
entropy = 0.0
samples = 1
value = [1, 0]
class = Cammeo
Major_Axis_Length ≤ 174.119
entropy = 0.139
samples = 531
value = [0, 731]
class = Osmancik
Area ≤ 13422.0
entropy = 0.196
samples = 247
value = [11, 316]
class = Osmancik
Perimeter ≤ 429.46
entropy = 0.097
samples = 532
value = [20, 731]
class = Osmancik
entropy = 0.0
samples = 8
value = [8, 0]
class = Cammeo
Major_Axis_Length ≤ 189.533
entropy = 0.052
samples = 19
value = [1, 22]
class = Osmancik
Extent ≤ 0.627
entropy = 0.273
samples = 227
value = [11, 16]
class = Osmancik
Major_Axis_Length ≤ 192.805
entropy = 0.988
samples = 41
value = [21, 24.0]
class = Osmancik
Area ≤ 12693.5
entropy = 0.773
samples = 102
value = [85, 29]
class = Cammeo
Major_Axis_Length ≤ 199.213
entropy = 0.99
samples = 43
value = [24, 19]
class = Cammeo
Convex_Area ≤ 13359.0
entropy = 0.773
samples = 102
value = [85, 29]
class = Cammeo
Major_Axis_Length ≤ 206.059
entropy = 0.215
samples = 1111
value = [429, 36]
class = Cammeo
Major_Axis_Length ≤ 176.75
entropy = 1.0
samples = 6
value = [3, 3]
class = Cammeo
Area ≤ 13422.0
entropy = 0.196
samples = 247
value = [11, 316]
class = Osmancik
Perimeter ≤ 429.46
entropy = 0.097
samples = 532
value = [20, 731]
class = Osmancik
Major_Axis_Length ≤ 189.533
entropy = 0.052
samples = 19
value = [1, 22]
class = Osmancik
Extent ≤ 0.627
entropy = 0.273
samples = 227
value = [11, 16]
class = Osmancik
Major_Axis_Length ≤ 189.93
entropy = 0.337
samples = 10
value = [1, 0]
class = Cammeo
Major_Axis_Length ≤ 192.971
entropy = 0.056
samples = 239
value = [1232, 129]
class = Cammeo
Major_Axis_Length ≤ 197.199
entropy = 0.005
samples = 467
value = [429, 36]
class = Cammeo
entropy = 0.0
samples = 644
value = [644, 0]
class = Cammeo
Major_Axis_Length ≤ 256.243
entropy = 0.332
samples = 667
value = [660, 34]
class = Cammeo
Major_Axis_Length ≤ 176.75
entropy = 1.0
samples = 6
value = [3, 3]
class = Cammeo
Area ≤ 13422.0
entropy = 0.196
samples = 247
value = [11, 316]
class = Osmancik
Perimeter ≤ 429.46
entropy = 0.097
samples = 532
value = [20, 731]
class = Osmancik
Major_Axis_Length ≤ 189.533
entropy = 0.052
samples = 19
value = [1, 22]
class = Osmancik
Extent ≤ 0.627
entropy = 0.273
samples = 227
value = [11, 16]
class = Osmancik
Major_Axis_Length ≤ 189.93
entropy = 0.337
samples = 10
value = [1, 0]
class = Cammeo
Major_Axis_Length ≤ 192.971
entropy = 0.056
samples = 239
value = [1232, 129]
class = Cammeo
Major_Axis_Length ≤ 197.199
entropy = 0.005
samples = 467
value = [429, 36]
class = Cammeo
entropy = 0.0
samples = 644
value = [644, 0]
class = Cammeo
Major_Axis_Length ≤ 256.243
entropy = 0.332
samples = 667
value = [660, 34