```
'C:/Users/User/Documents/Python Scripts/Emotions/Resumo.py'
In [66]:
    ='C:/Users/User/Documents/Python Scripts/Emotions
        validation_0-error:0.342105
Will train until validation_0-error hasn't improved in 5 rounds.
        validation_0-error:0.342105
[1]
[2]
        validation_0-error:0.315789
[3]
        validation_0-error:0.236842
[4]
        validation_0-error:0.315789
[5]
        validation_0-error:0.236842
[6]
        validation_0-error:0.289474
[7]
        validation_0-error:0.289474
[8]
        validation_0-error:0.289474
Stopping. Best iteration:
        validation_0-error:0.236842
[0]
        validation 0-error:0.131579
Will train until validation_0-error hasn't improved in 5 rounds.
[1]
        validation_0-error:0.078947
[2]
        validation_0-error:0.078947
[3]
        validation_0-error:0.131579
[4]
        validation_0-error:0.131579
[5]
        validation_0-error:0.078947
[6]
        validation_0-error:0.078947
Stopping. Best iteration:
[1]
        validation_0-error:0.078947
        validation 0-error:0.342105
[0]
Will train until validation 0-error hasn't improved in 5 rounds.
[1]
        validation_0-error:0.315789
        validation_0-error:0.263158
[2]
[3]
        validation_0-error:0.263158
[4]
        validation_0-error:0.289474
[5]
        validation_0-error:0.263158
        validation_0-error:0.289474
[6]
        validation_0-error:0.289474
[7]
Stopping. Best iteration:
        validation 0-error:0.263158
[2]
[0]
        validation 0-error:0.052632
Will train until validation 0-error hasn't improved in 5 rounds.
[1]
        validation 0-error:0.105263
[2]
        validation_0-error:0.131579
[3]
        validation_0-error:0.184211
[4]
        validation 0-error:0.105263
[5]
        validation 0-error:0.131579
Stopping. Best iteration:
        validation 0-error:0.052632
[0]
        validation 0-error:0.263158
[0]
Will train until validation 0-error hasn't improved in 5 rounds.
        validation 0-error:0.210526
[1]
[2]
        validation 0-error:0.236842
[3]
        validation 0-error:0.236842
[4]
        validation 0-error:0.236842
[5]
        validation 0-error:0.263158
[6]
        validation 0-error:0.263158
Stopping. Best iteration:
[1]
        validation 0-error:0.210526
        validation 0-error:0.236842
Will train until validation 0-error hasn't improved in 5 rounds.
```

```
[1]
        validation_0-error:0.263158
[2]
        validation_0-error:0.236842
[3]
        validation_0-error:0.236842
[4]
        validation_0-error:0.263158
[5]
        validation_0-error:0.236842
Stopping. Best iteration:
        validation_0-error:0.236842
[0]
        validation_0-error:0.394737
Will train until validation_0-error hasn't improved in 5 rounds.
[1]
        validation_0-error: 0.342105
[2]
        validation_0-error:0.315789
[3]
        validation_0-error:0.289474
[4]
        validation_0-error:0.315789
[5]
        validation_0-error:0.315789
[6]
        validation_0-error:0.315789
[7]
        validation_0-error:0.315789
[8]
        validation 0-error:0.315789
Stopping. Best iteration:
        validation_0-error:0.289474
[0]
        validation 0-error:0.236842
Will train until validation_0-error hasn't improved in 5 rounds.
[1]
        validation_0-error: 0.210526
[2]
        validation_0-error:0.184211
[3]
        validation_0-error:0.236842
[4]
        validation_0-error:0.263158
[5]
        validation_0-error:0.263158
        validation_0-error:0.263158
[6]
        validation 0-error:0.263158
[7]
Stopping. Best iteration:
        validation 0-error:0.184211
[2]
        validation 0-error:0.157895
[0]
Will train until validation_0-error hasn't improved in 5 rounds.
        validation_0-error:0.157895
[1]
        validation_0-error:0.157895
[2]
[3]
        validation_0-error:0.157895
        validation_0-error:0.157895
[4]
        validation_0-error:0.157895
[5]
Stopping. Best iteration:
        validation 0-error:0.157895
[0]
        validation 0-error:0.315789
[0]
Will train until validation 0-error hasn't improved in 5 rounds.
        validation 0-error: 0.210526
[1]
[2]
        validation 0-error:0.236842
[3]
        validation 0-error:0.184211
[4]
        validation 0-error:0.210526
[5]
        validation 0-error:0.210526
[6]
        validation 0-error:0.210526
        validation 0-error:0.210526
[7]
        validation 0-error:0.210526
[8]
Stopping. Best iteration:
        validation 0-error:0.184211
best score: 0.184211, best iteration: 3, best ntree limit 4
[[19 6]
 [58]]
```

Scores: [0.53802759]

Mean: 0.538

```
Std: 0.000
[[23 1]
[ 2 12]]
Scores: [0.53802759 0.28097574]
Mean: 0.410
Std: 0.129
[[20 4]
[5 9]]
Scores: [0.53802759 0.28097574 0.48666426]
Mean: 0.435
Std: 0.111
[[25 1]
[ 4 8]]
Scores: [0.53802759 0.28097574 0.48666426 0.36273813]
Mean: 0.417
Std: 0.101
[[22 3]
 [7 6]]
Scores: [0.53802759 0.28097574 0.48666426 0.36273813 0.51298918]
Mean: 0.436
Std: 0.098
[[23 2]
[ 5 8]]
Scores: [0.53802759 0.28097574 0.48666426 0.36273813 0.51298918 0.42919754]
Mean: 0.435
Std: 0.090
[[21 5]
[ 5 7]]
Scores: [0.53802759 0.28097574 0.48666426 0.36273813 0.51298918 0.42919754
0.51298918]
Mean: 0.446
Std: 0.087
[[26 0]
 [75]
Scores: [0.53802759 0.28097574 0.48666426 0.36273813 0.51298918 0.42919754
0.51298918 0.42919754]
Mean: 0.444
Std: 0.082
[[24 2]
 [48]]
Scores: [0.53802759 0.28097574 0.48666426 0.36273813 0.51298918 0.42919754
0.51298918 0.42919754 0.39735971]
Mean: 0.439
Std: 0.079
[[21 4]
 [ 3 10]]
```

Scores: [0.53802759 0.28097574 0.48666426 0.36273813 0.51298918 0.42919754

0.51298918 0.42919754 0.39735971 0.42919754]

Mean: 0.438 Std: 0.075

Acertos de Vitória:81/109 - 74.31% Acertos de "não vitória":224/271 - 82.66%

In [67]: