100% 4/4 [29:08<00:00, 435.87s/it]

100% 4/4 [07:13<00:00, 107.82s/it]

```
SVC(C=5, cache_size=500, class_weight='balanced', coef0=0.0,
  decision_function_shape='ovr', degree=2, gamma=0.0001, kernel='rbf',
  max_iter=-1, probability=False, random_state=2, shrinking=True,
  tol=0.001, verbose=False)
0.685
[0.70526316 0.66666667]
SVC(C=5, cache_size=500, class_weight='balanced', coef0=0.0,
  decision_function_shape='ovr', degree=2, gamma=0.0003, kernel='rbf',
  max_iter=-1, probability=False, random_state=2, shrinking=True,
  tol=0.001, verbose=False)
0.67
[0.68 0.66]
SVC(C=5, cache_size=500, class_weight='balanced', coef0=0.0,
  decision_function_shape='ovr', degree=2, gamma=0.0005, kernel='rbf',
  max_iter=-1, probability=False, random_state=2, shrinking=True,
  tol=0.001, verbose=False)
0.67
[0.67647059 0.66326531]
SVC(C=5, cache_size=500, class_weight='balanced', coef0=0.0,
  decision_function_shape='ovr', degree=2, gamma=0.0007, kernel='rbf',
  max_iter=-1, probability=False, random_state=2, shrinking=True,
  tol=0.001, verbose=False)
0.69
[0.71276596 0.66981132]
```

100% 4/4 [07:28<00:00, 111.01s/it]

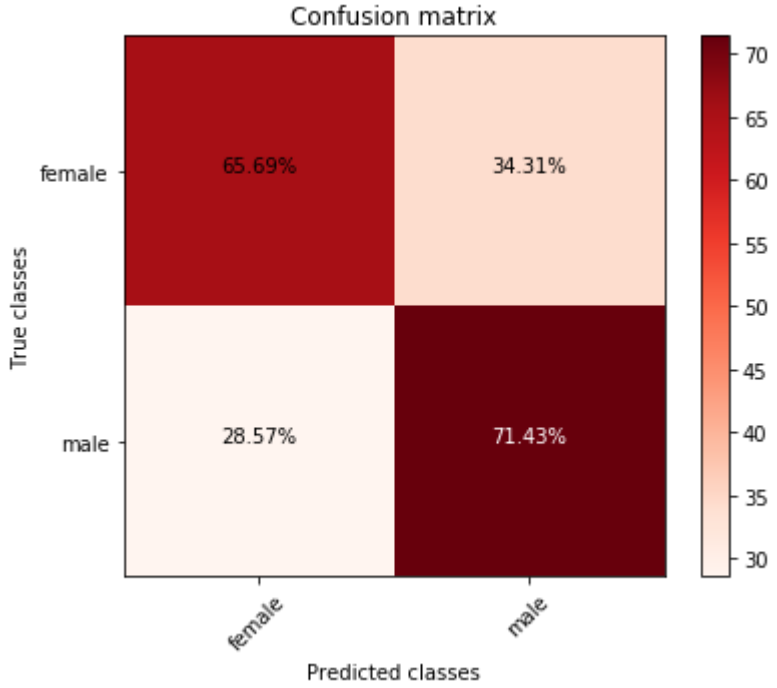
```
SVC(C=10, cache_size=500, class_weight='balanced', coef0=0.0,
  decision_function_shape='ovr', degree=2, gamma=0.0001, kernel='rbf',
  max_iter=-1, probability=False, random_state=2, shrinking=True,
  tol=0.001, verbose=False)
0.685
[0.6969697  0.67326733]
SVC(C=10, cache_size=500, class_weight='balanced', coef0=0.0,
  decision_function_shape='ovr', degree=2, gamma=0.0003, kernel='rbf',
  max_iter=-1, probability=False, random_state=2, shrinking=True,
  tol=0.001, verbose=False)
0.64
[0.63888889 0.64130435]
SVC(C=10, cache_size=500, class_weight='balanced', coef0=0.0,
  decision_function_shape='ovr', degree=2, gamma=0.0005, kernel='rbf',
  max_iter=-1, probability=False, random_state=2, shrinking=True,
  tol=0.001, verbose=False)
0.645
[0.65048544 0.63917526]
SVC(C=10, cache_size=500, class_weight='balanced', coef0=0.0,
  decision_function_shape='ovr', degree=2, gamma=0.0007, kernel='rbf',
  max_iter=-1, probability=False, random_state=2, shrinking=True,
  tol=0.001, verbose=False)
0.68
[0.71111111 0.65454545]
```

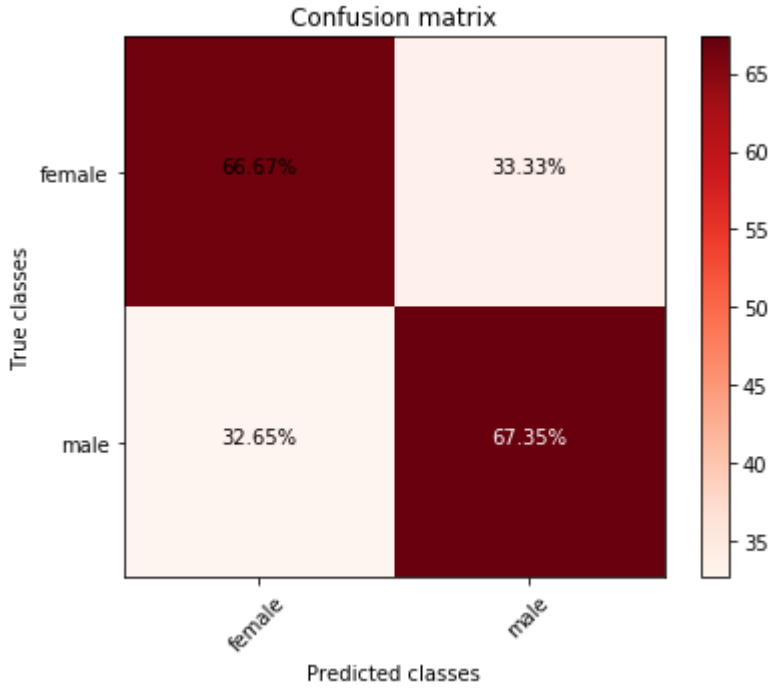
100% 4/4 [07:08<00:00, 105.66s/it]

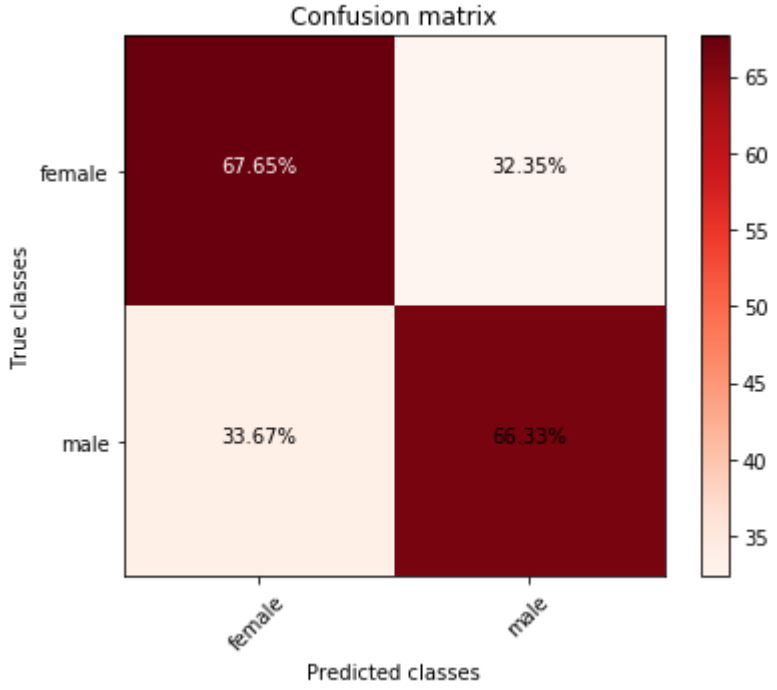
```
SVC(C=15, cache_size=500, class_weight='balanced', coef0=0.0,
  decision_function_shape='ovr', degree=2, gamma=0.0001, kernel='rbf',
  max_iter=-1, probability=False, random_state=2, shrinking=True,
  tol=0.001, verbose=False)
0.645
[0.65048544 0.63917526]
SVC(C=15, cache_size=500, class_weight='balanced', coef0=0.0,
  decision_function_shape='ovr', degree=2, gamma=0.0003, kernel='rbf',
  max_iter=-1, probability=False, random_state=2, shrinking=True,
  tol=0.001, verbose=False)
0.63
[0.62962963 0.63043478]
SVC(C=15, cache_size=500, class_weight='balanced', coef0=0.0,
  decision_function_shape='ovr', degree=2, gamma=0.0005, kernel='rbf',
  max_iter=-1, probability=False, random_state=2, shrinking=True,
  tol=0.001, verbose=False)
0.655
[0.66336634 0.64646465]
SVC(C=15, cache_size=500, class_weight='balanced', coef0=0.0,
  decision_function_shape='ovr', degree=2, gamma=0.0007, kernel='rbf',
  max_iter=-1, probability=False, random_state=2, shrinking=True,
  tol=0.001, verbose=False)
0.68
[0.71111111 0.65454545]
```

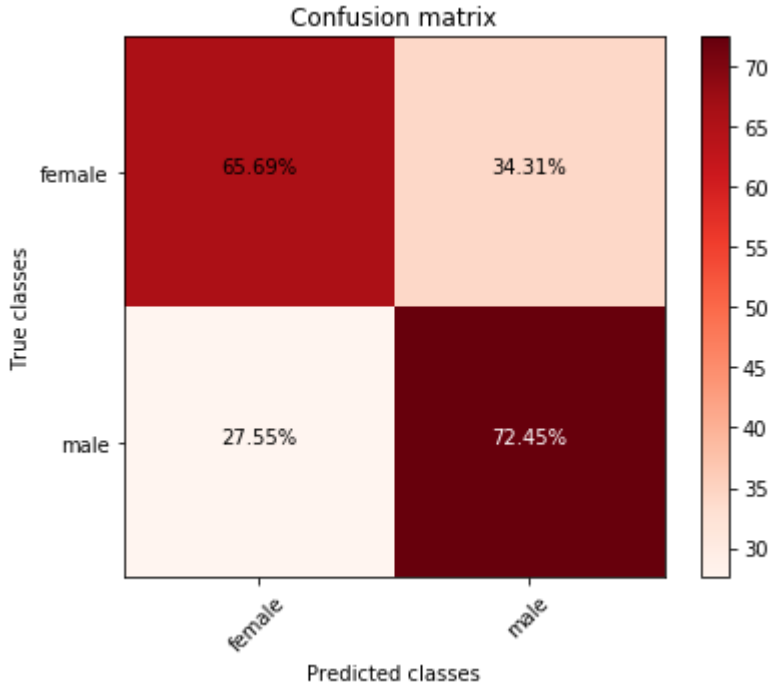
100% 4/4 [07:17<00:00, 108.62s/it]

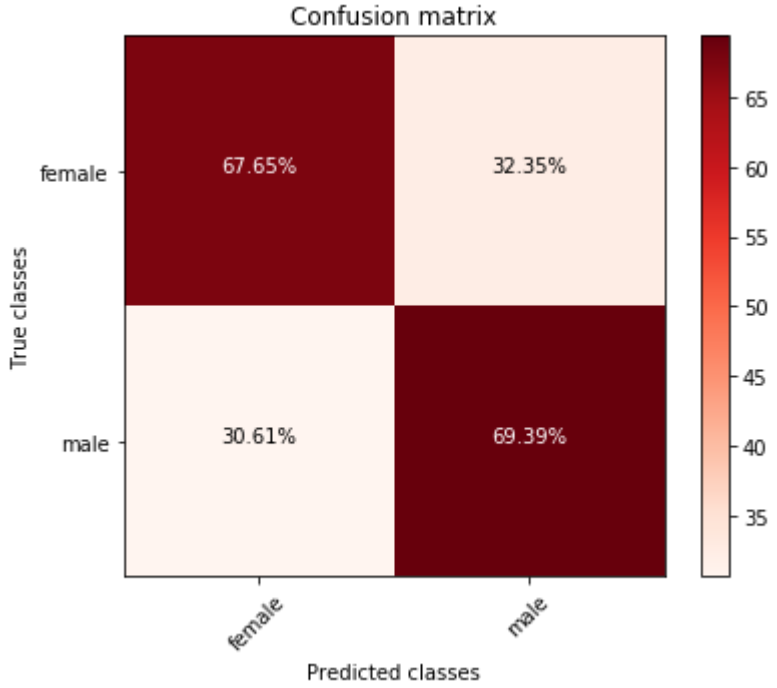
```
SVC(C=20, cache_size=500, class_weight='balanced', coef0=0.0,
  decision_function_shape='ovr', degree=2, gamma=0.0001, kernel='rbf',
  max_iter=-1, probability=False, random_state=2, shrinking=True,
  tol=0.001, verbose=False)
0.63
[0.63461538 0.625     ]
SVC(C=20, cache_size=500, class_weight='balanced', coef0=0.0,
  decision_function_shape='ovr', degree=2, gamma=0.0003, kernel='rbf',
  max_iter=-1, probability=False, random_state=2, shrinking=True,
  tol=0.001, verbose=False)
0.64
[0.64150943 0.63829787]
SVC(C=20, cache_size=500, class_weight='balanced', coef0=0.0,
  decision_function_shape='ovr', degree=2, gamma=0.0005, kernel='rbf',
  max_iter=-1, probability=False, random_state=2, shrinking=True,
  tol=0.001, verbose=False)
0.65
[0.65686275 0.64285714]
SVC(C=20, cache_size=500, class_weight='balanced', coef0=0.0,
  decision_function_shape='ovr', degree=2, gamma=0.0007, kernel='rbf',
  max_iter=-1, probability=False, random_state=2, shrinking=True,
  tol=0.001, verbose=False)
0.68
[0.71111111 0.65454545]

Trained and tested with 1.018% of the cleaned data set(196464 images)
```

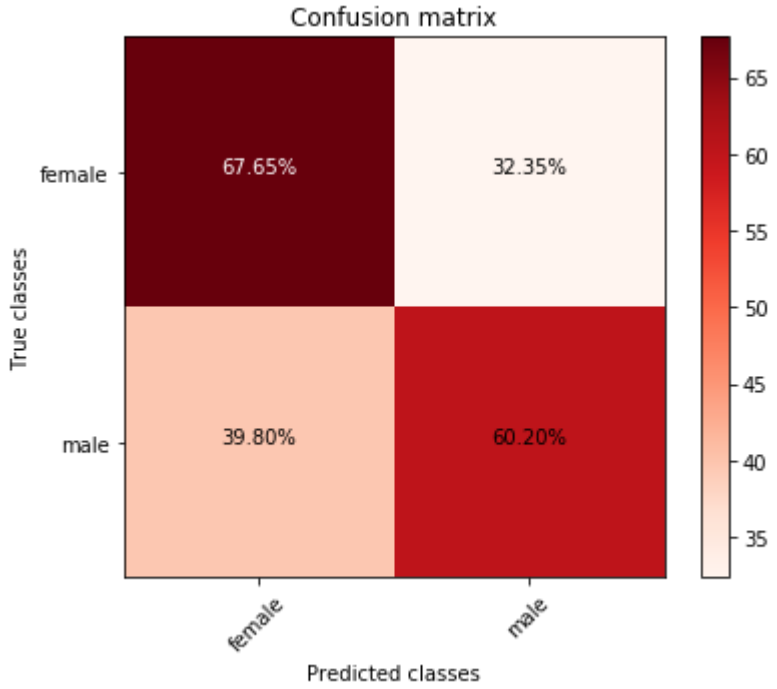

Confusion matrix
65.69%
34.31%
28.57%
71.43%
female
male
True classes
female
male
Predicted classes
70
65
60
55
50
45
40
35
30

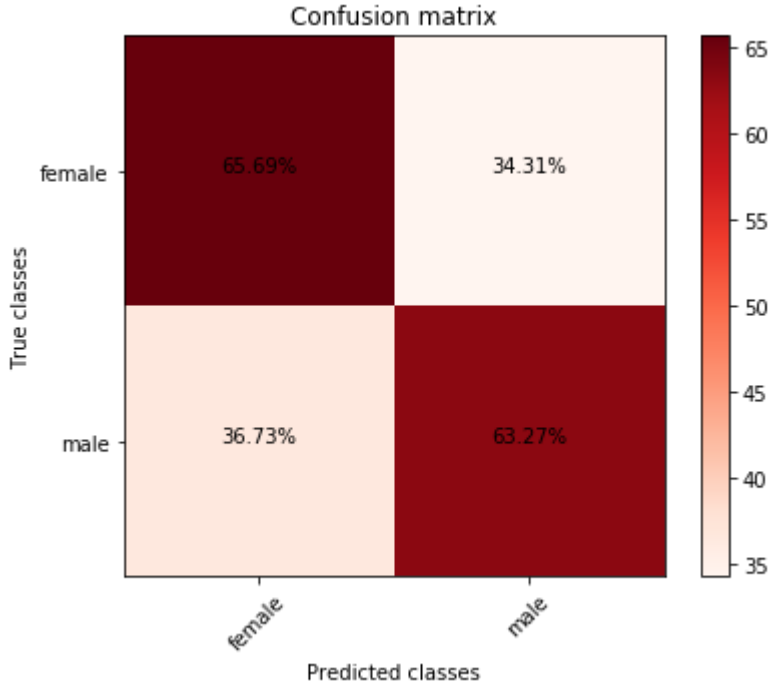

Confusion matrix
66.67%
33.33%
32.65%
67.35%
female
male
True classes
female
male
Predicted classes
65
60
55
50
45
40
35

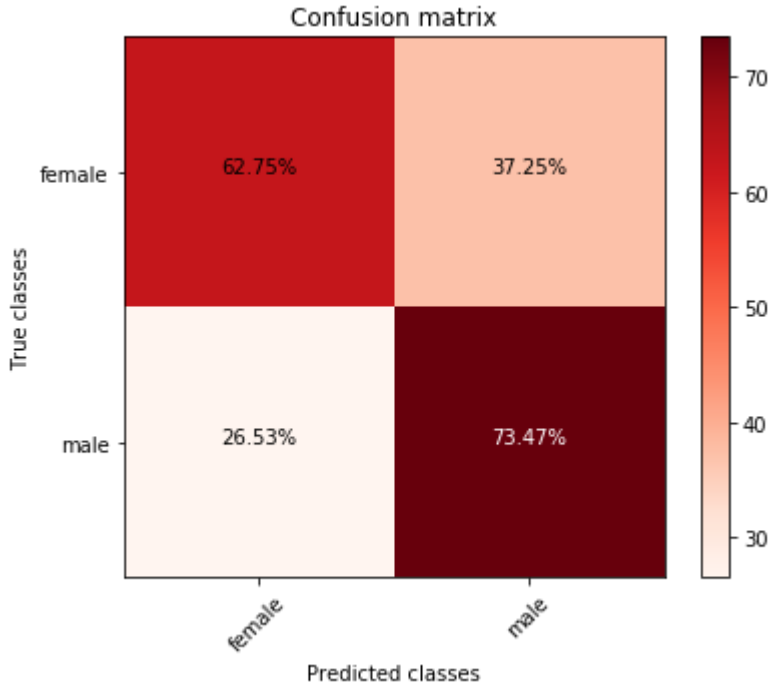

Confusion matrix
female
male
True classes
67.65%
32.35%
33.67%
66.33%
65
60
55
50
45
40
35
female
male
Predicted classes

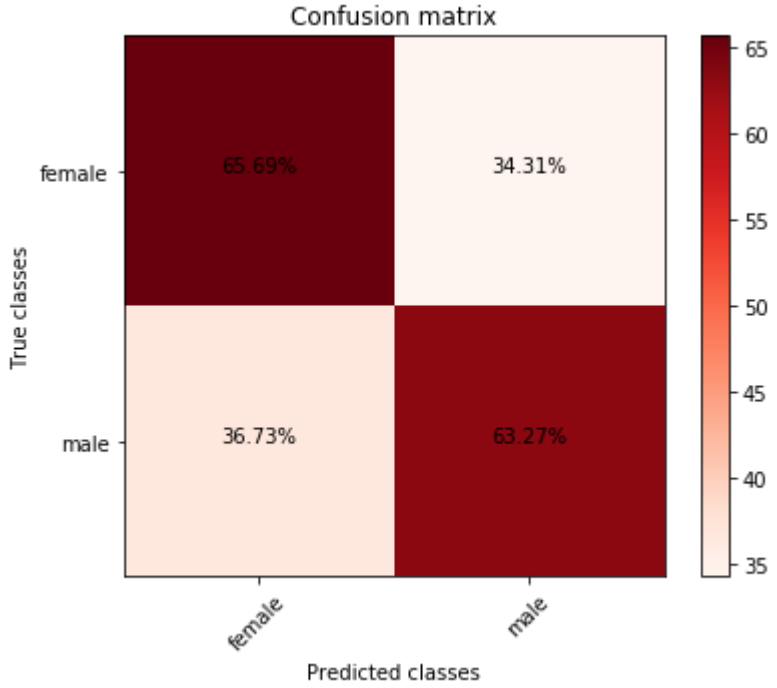

Confusion matrix
female
male
True classes
65.69%
34.31%
27.55%
72.45%
70
65
60
55
50
45
40
35
30
female
male
Predicted classes

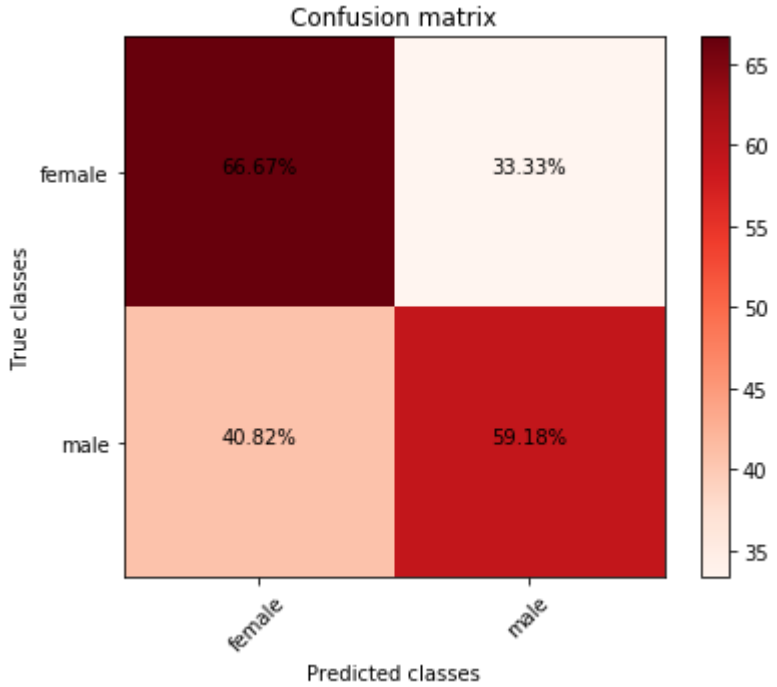

Confusion matrix
female
male
True classes
67.65%
32.35%
30.61%
69.39%
65
60
55
50
45
40
35
female
male
Predicted classes

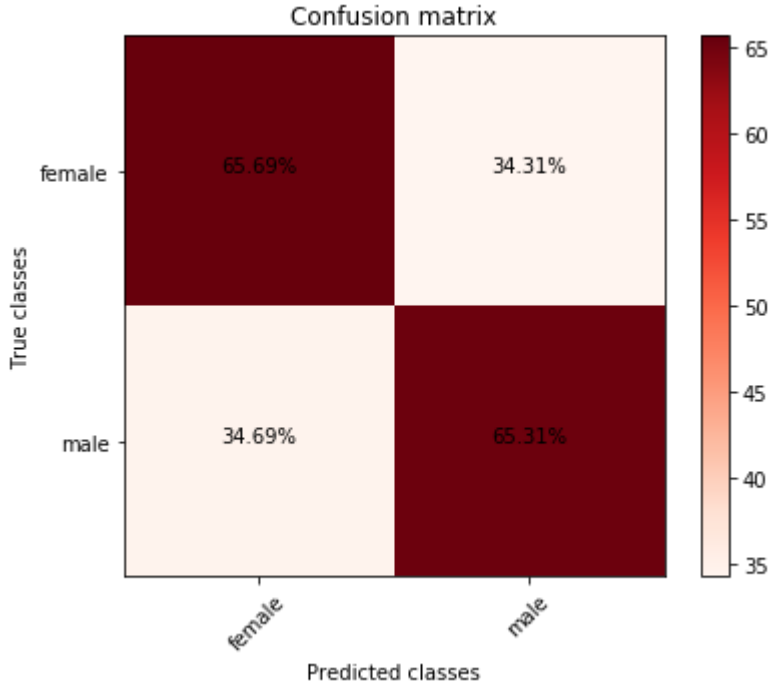

Confusion matrix
female
male
True classes
67.65%
32.35%
39.80%
60.20%
65
60
55
50
45
40
35
female
male
Predicted classes

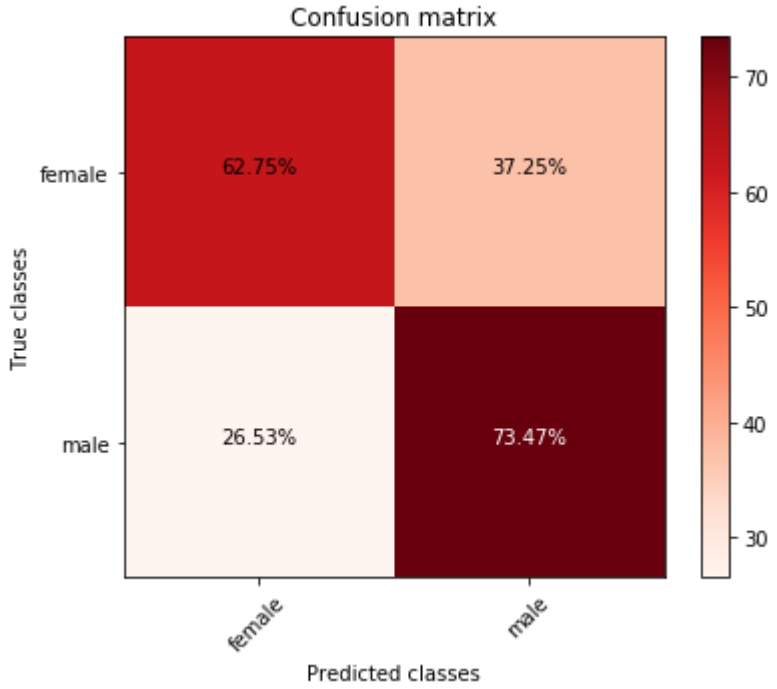

Confusion matrix
female
male
True classes
65.69%
34.31%
36.73%
63.27%
65
60
55
50
45
40
35
female
male
Predicted classes

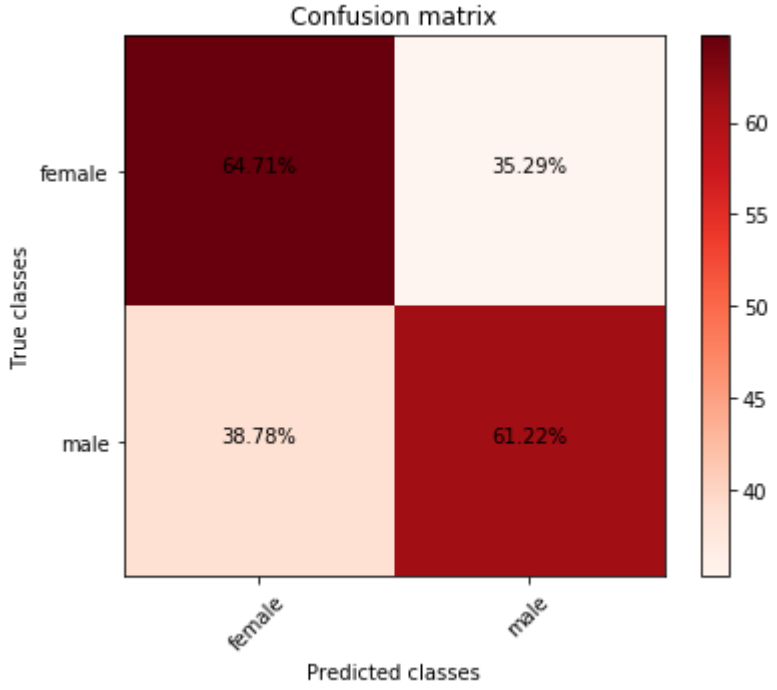

Confusion matrix
female
male
True classes
62.75%
37.25%
26.53%
73.47%
70
60
50
40
30
female
male
Predicted classes

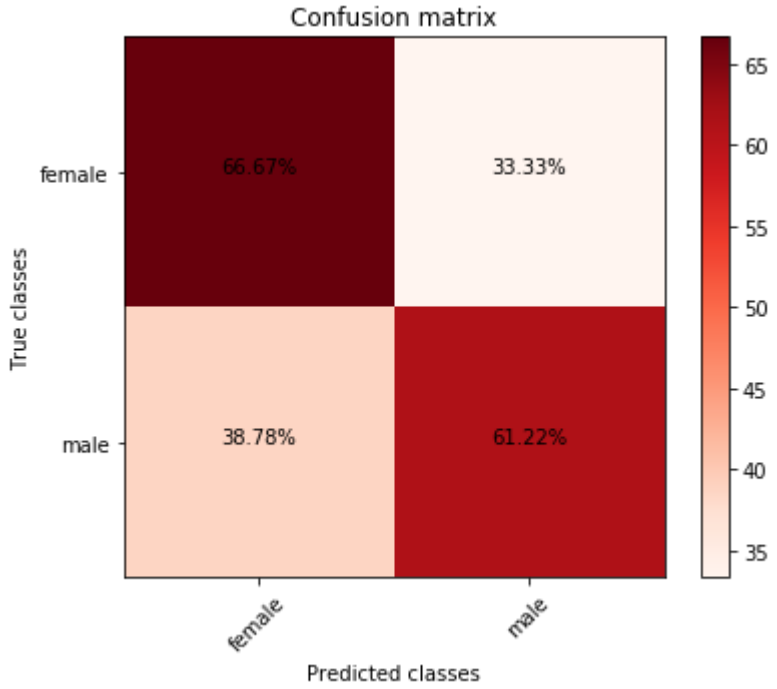

Confusion matrix
65.69%
34.31%
36.73%
63.27%
female
male
True classes
female
male
Predicted classes
65
60
55
50
45
40
35

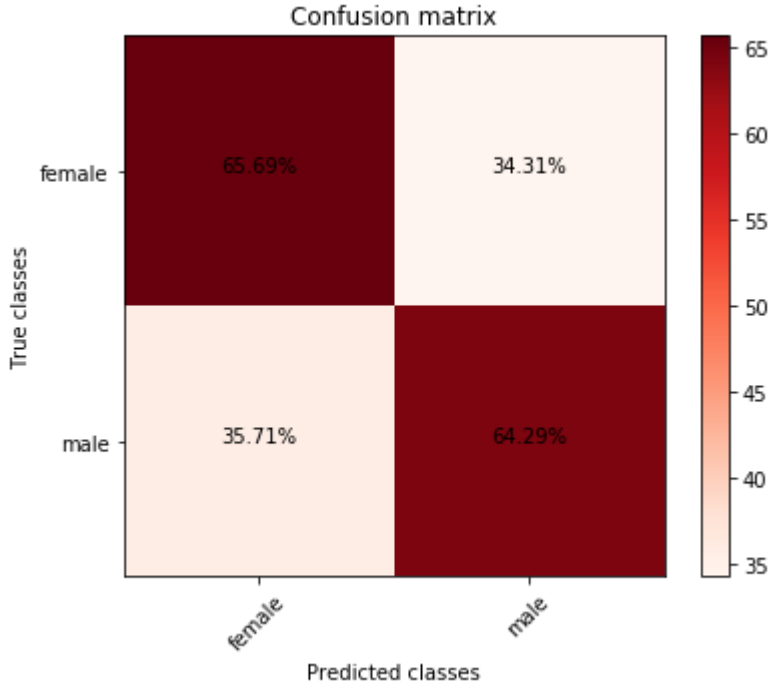

Confusion matrix
66.67%
33.33%
40.82%
59.18%
female
male
True classes
female
male
Predicted classes
65
60
55
50
45
40
35

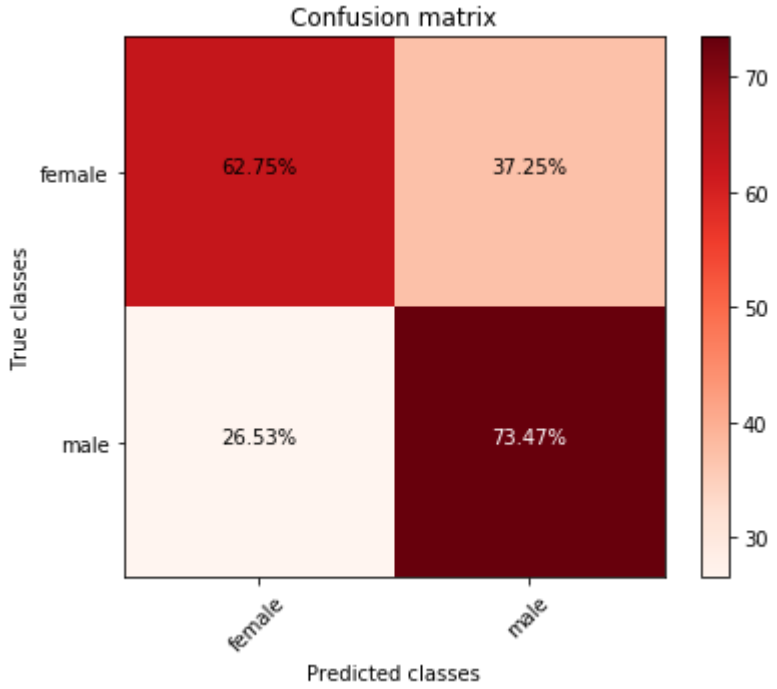

Confusion matrix
65.69%
34.31%
34.69%
65.31%
female
male
True classes
female
male
Predicted classes
65
60
55
50
45
40
35


Confusion matrix
62.75%
37.25%
26.53%
73.47%
female
male
True classes
female
male
Predicted classes
70
60
50
40
30


Confusion matrix
female
male
True classes
64.71%
35.29%
38.78%
61.22%
60
55
50
45
40
female
male
Predicted classes


Confusion matrix
female
male
True classes
66.67%
33.33%
38.78%
61.22%
65
60
55
50
45
40
35
female
male
Predicted classes


Confusion matrix
female
male
True classes
65.69%
34.31%
35.71%
64.29%
female
male
Predicted classes
65
60
55
50
45
40
35


Confusion matrix
female
male
True classes
62.75%
37.25%
26.53%
73.47%
female
male
Predicted classes
70
60
50
40
30