**OUTPUT 4C3S DECISION TREE**

**Criterion = “gini” max\_depth = DEFAULT**

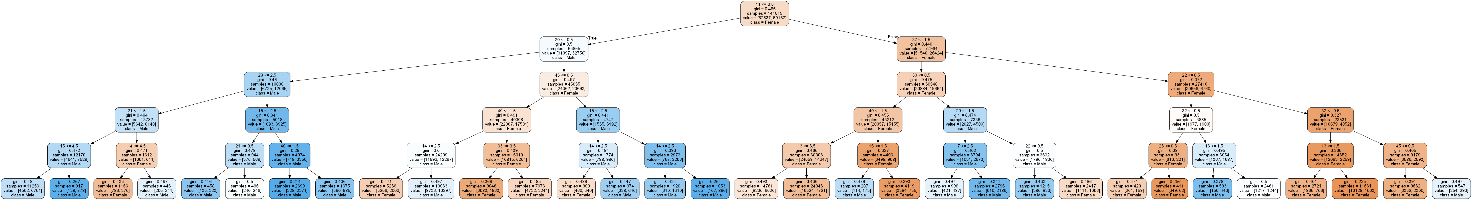
Accuracy: 0.678

Graph: Troppo grande

**Criterion = “gini” max\_depth = 5**

Accuracy: 0.660

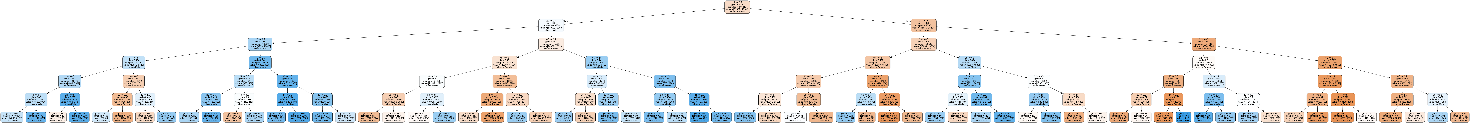
Graph:



**Criterion = “gini” max\_depth = 6**

Accuracy: 0.672

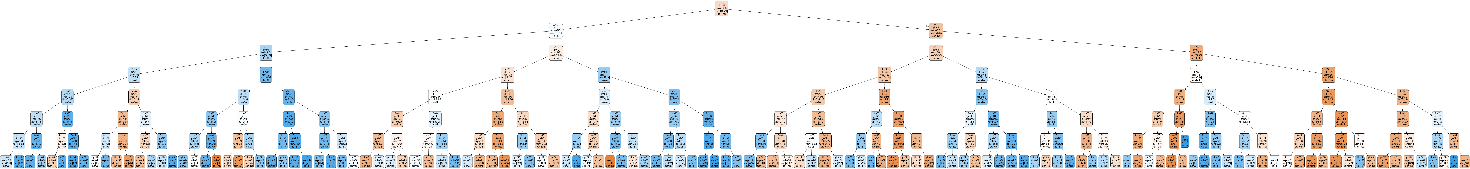
Graph:



**Criterion = “gini” max\_depth = 7**

Accuracy: 0.684

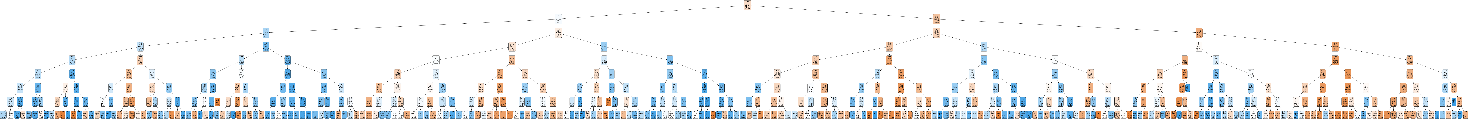
Graph:



**Criterion = “gini” max\_depth = 8**

Accuracy: 0.692

Graph:



**Criterion = “gini” max\_depth = 9**

Accuracy: 0.700

Graph: Troppo grande

**Criterion = “gini” max\_depth = 10**

Accuracy: 0.709

Graph: Troppo grande

**Criterion = “gini” max\_depth = 11**

Accuracy: 0.713

Graph: Troppo grande

**Criterion = “gini” max\_depth = 12**

Accuracy: 0.716

Graph: Troppo grande

**Criterion = “gini” max\_depth = 13**

Accuracy: 0.719

Graph: Troppo grande

**Criterion = “gini” max\_depth = 14**

Accuracy: 0.719

Graph: Troppo grande

**Criterion = “entropy” max\_depth = DEFAULT**

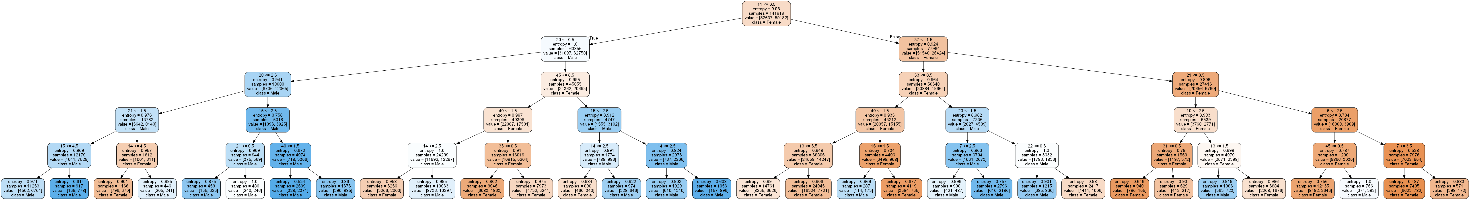
Accuracy: 0.678

Graph: Troppo grande

**Criterion = “entropy” max\_depth = 5**

Accuracy: 0.660

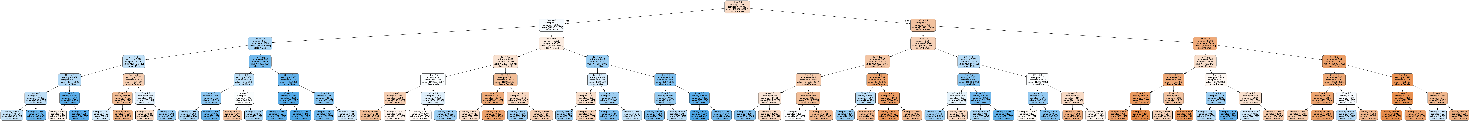
Graph:



**Criterion = “entropy” max\_depth = 6**

Accuracy: 0.672

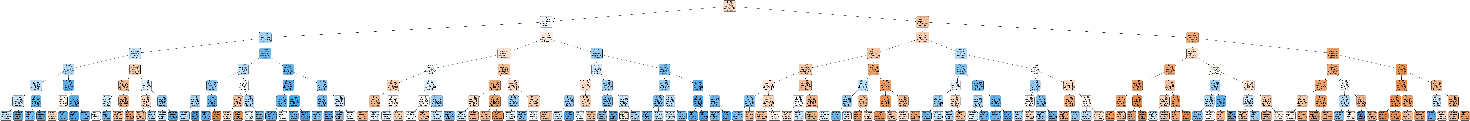
Graph:



**Criterion = “entropy” max\_depth = 7**

Accuracy: 0.684

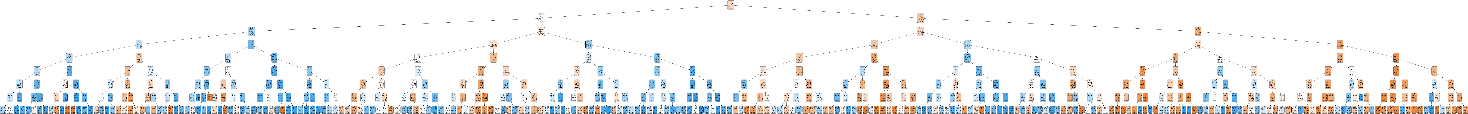
Graph:



**Criterion = “entropy” max\_depth = 8**

Accuracy: 0.692

Graph:



**Criterion = “entropy” max\_depth = 9**

Accuracy: 0.701

Graph: Troppo grande

**Criterion = “entropy” max\_depth = 10**

Accuracy: 0.708

Graph: Troppo grande

**Criterion = “entropy” max\_depth = 11**

Accuracy: 0.713

Graph: Troppo grande

**Criterion = “entropy” max\_depth = 12**

Accuracy: 0.715

Graph: Troppo grande

**Criterion = “entropy” max\_depth = 13**

Accuracy: 0.715

Graph: Troppo grande

**OUTPUT 4C4S DECISION TREE**

**Criterion = “gini” max\_depth = DEFAULT**

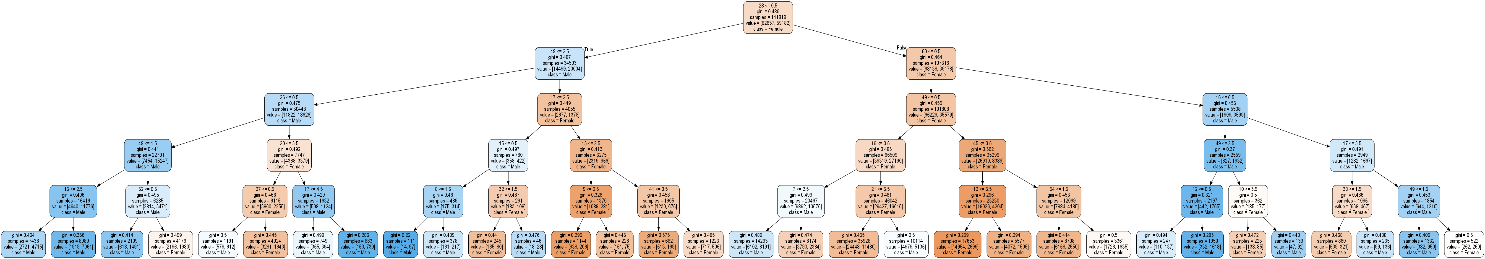
Accuracy: 0.69

Graph: Troppo grande

**Criterion = “gini” max\_depth = 5**

Accuracy: 0.671

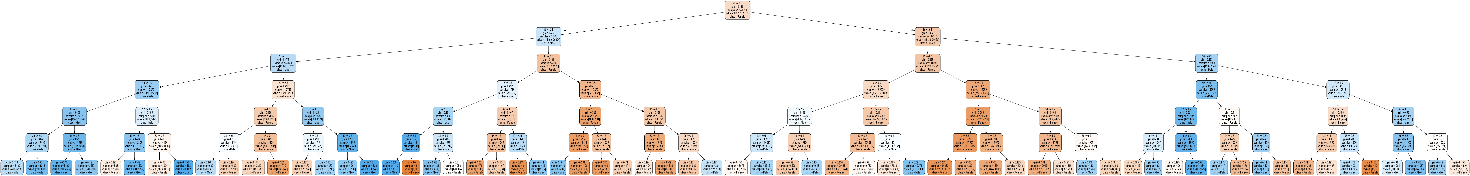
Graph:



**Criterion = “gini” max\_depth = 6**

Accuracy: 0.687

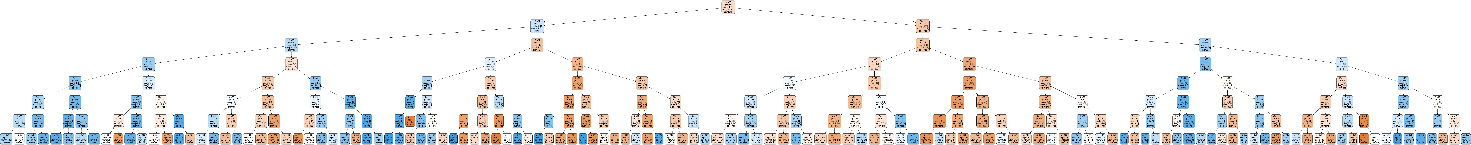
Graph:



**Criterion = “gini” max\_depth = 7**

Accuracy: 0.698

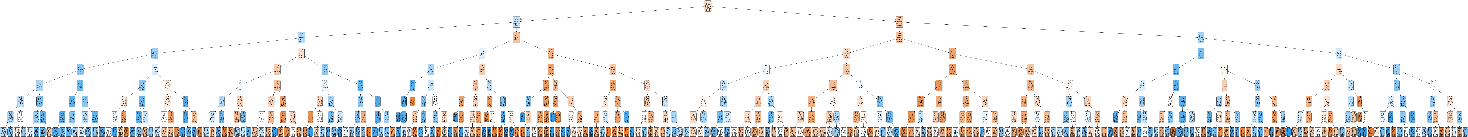
Graph:



**Criterion = “gini” max\_depth = 8**

Accuracy: 0.705

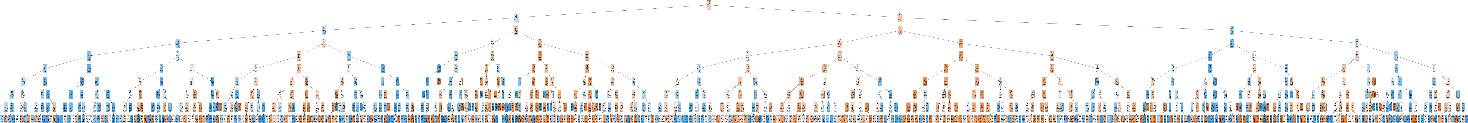
Graph:



**Criterion = “gini” max\_depth = 9**

Accuracy: 0.718

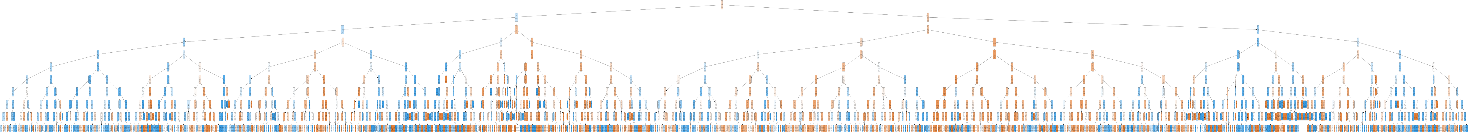
Graph:



**Criterion = “gini” max\_depth = 10**

Accuracy: 0.726

Graph:



**Criterion = “gini” max\_depth = 11**

Accuracy: 0.733

Graph: Troppo grande

**Criterion = “gini” max\_depth = 12**

Accuracy: 0.735

Graph: troppo grande

**Criterion = “gini” max\_depth = 13**

Accuracy: 0.738

Graph: troppo grande

**Criterion = “gini” max\_depth = 14**

Accuracy: 0.736

Graph: troppo grande

**Criterion = “entropy” max\_depth = DEFAULT**

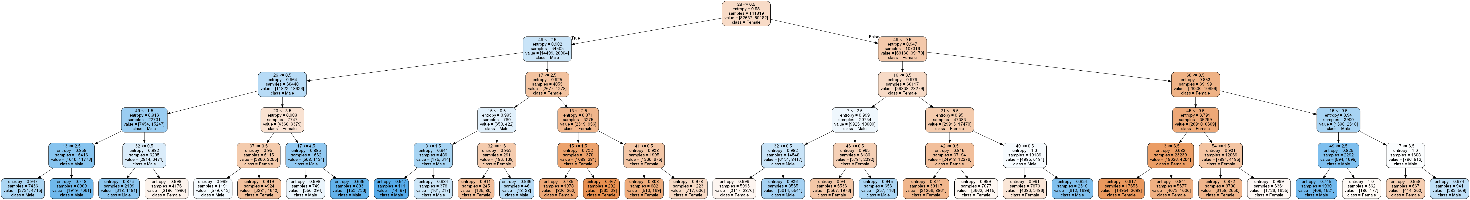
Accuracy: 0.697

Graph: troppo grande

**Criterion = “entropy” max\_depth = 5**

Accuracy: 0.679

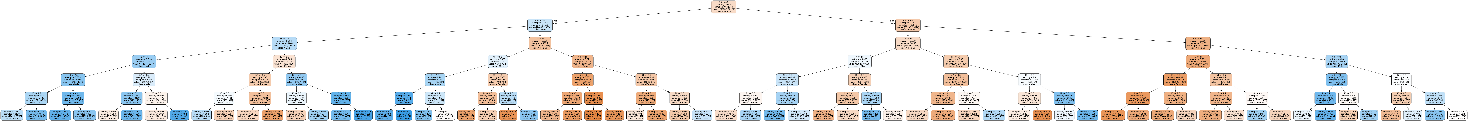
Graph:



**Criterion = “entropy” max\_depth = 6**

Accuracy: 0.693

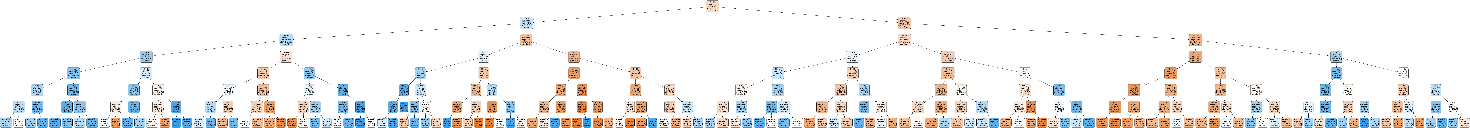
Graph:



**Criterion = “entropy” max\_depth = 7**

Accuracy: 0.699

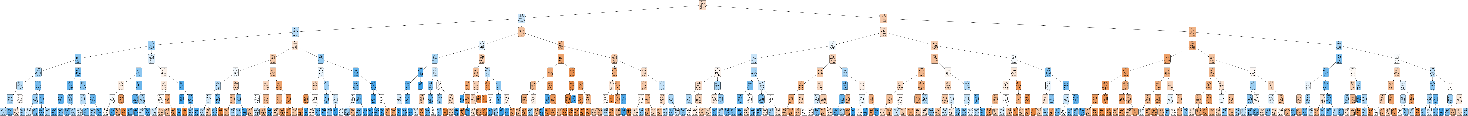
Graph:



**Criterion = “entropy” max\_depth = 8**

Accuracy: 0.713

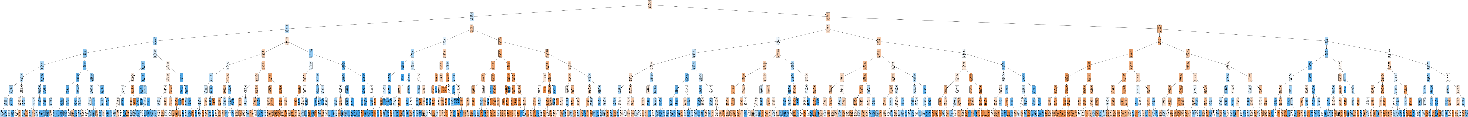
Graph:



**Criterion = “entropy” max\_depth = 9**

Accuracy: 0.721

Graph:



**Criterion = “entropy” max\_depth = 10**

Accuracy: 0.730

Graph: Troppo grande

**Criterion = “entropy” max\_depth = 11**

Accuracy: 0.733

Graph: Troppo grande

**Criterion = “entropy” max\_depth = 12**

Accuracy: 0.737

Graph: Troppo grande

**Criterion = “entropy” max\_depth = 13**

Accuracy: 0.737

Graph: Troppo grande

**OUTPUT 5C4S DECISION TREE**

**Criterion = “gini” max\_depth = DEFAULT**

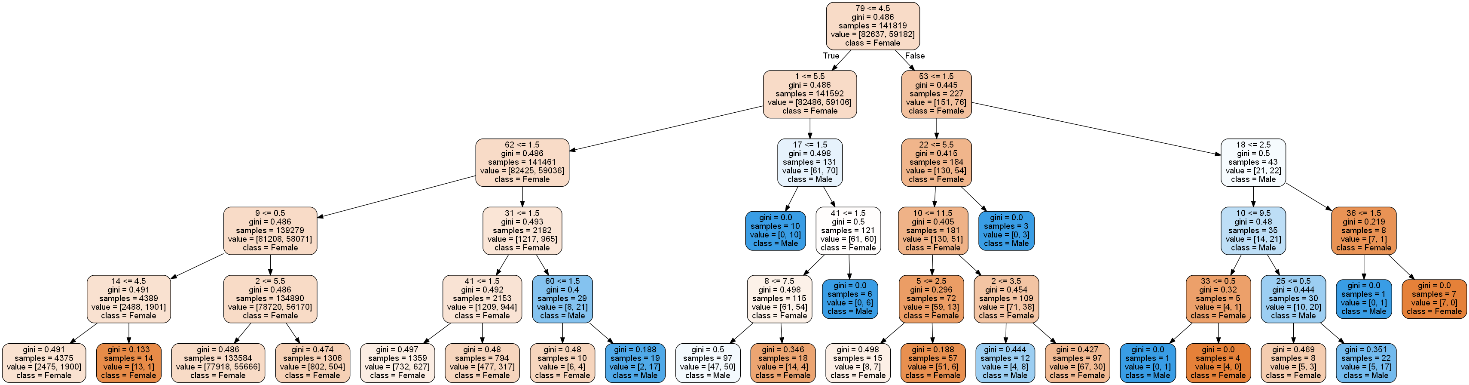
Accuracy: 0.513

Graph: Troppo grande

**Criterion = “gini” max\_depth = 5**

Accuracy: 0.584

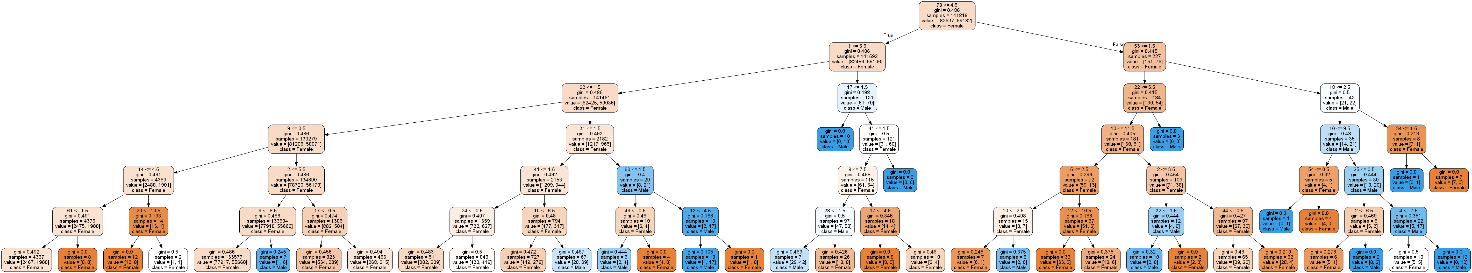
Graph:



**Criterion = “gini” max\_depth = 6**

Accuracy: 0.584

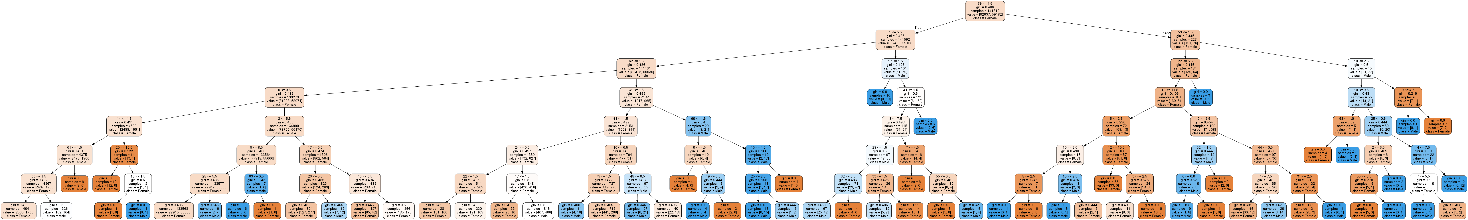
Graph:



**Criterion = “gini” max\_depth = 7**

Accuracy: 0.584

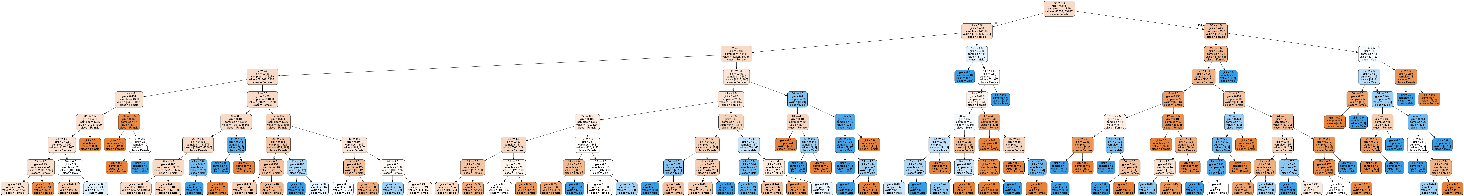
Graph:



**Criterion = “gini” max\_depth = 8**

Accuracy: 0.583

Graph:



**Criterion = “entropy” max\_depth = DEFAULT**

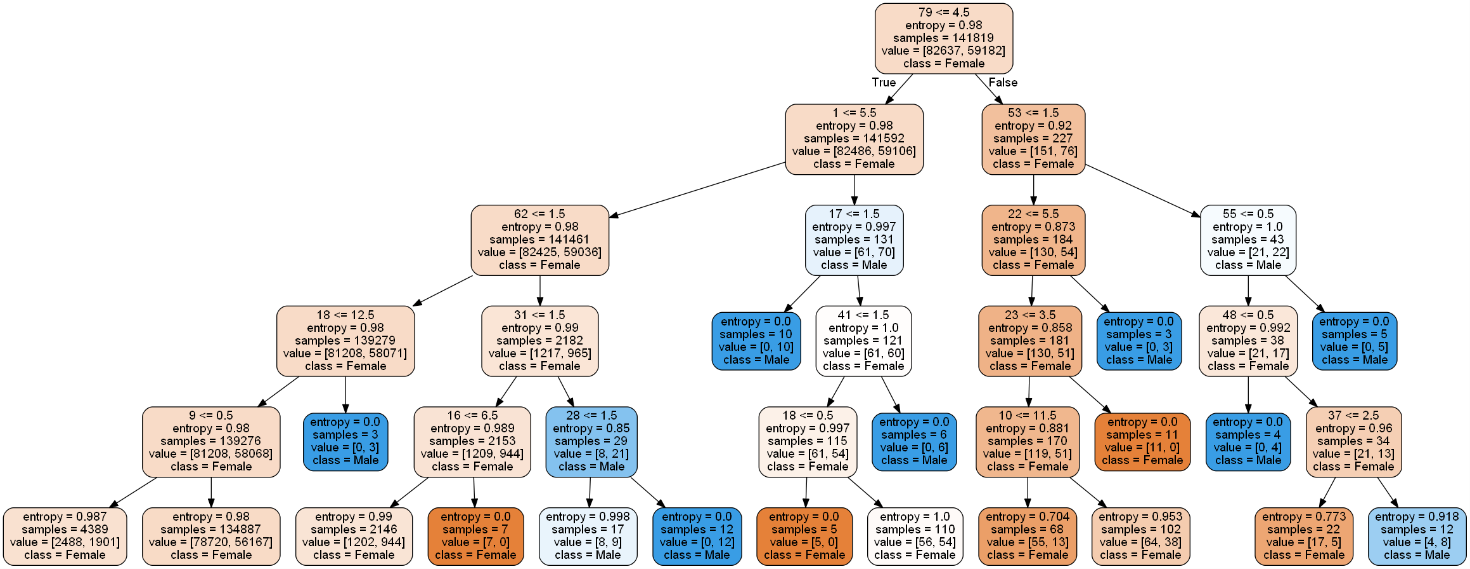
Accuracy: 0.514

Graph: Troppo grande

**Criterion = “entropy” max\_depth = 5**

Accuracy: 0.584

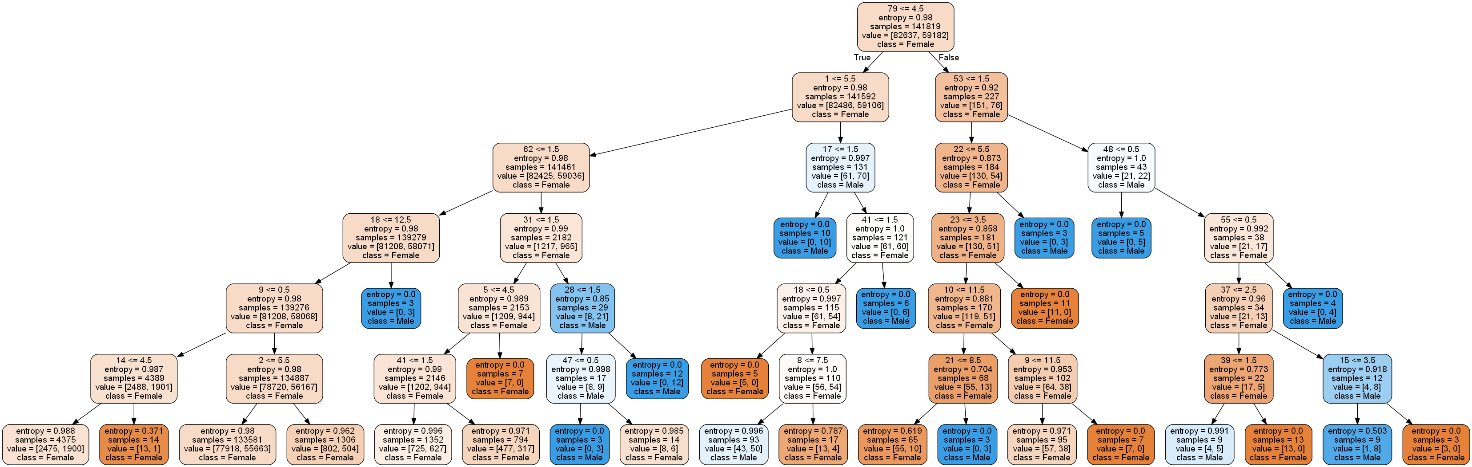
Graph:



**Criterion = “entropy” max\_depth = 6**

Accuracy: 0.584

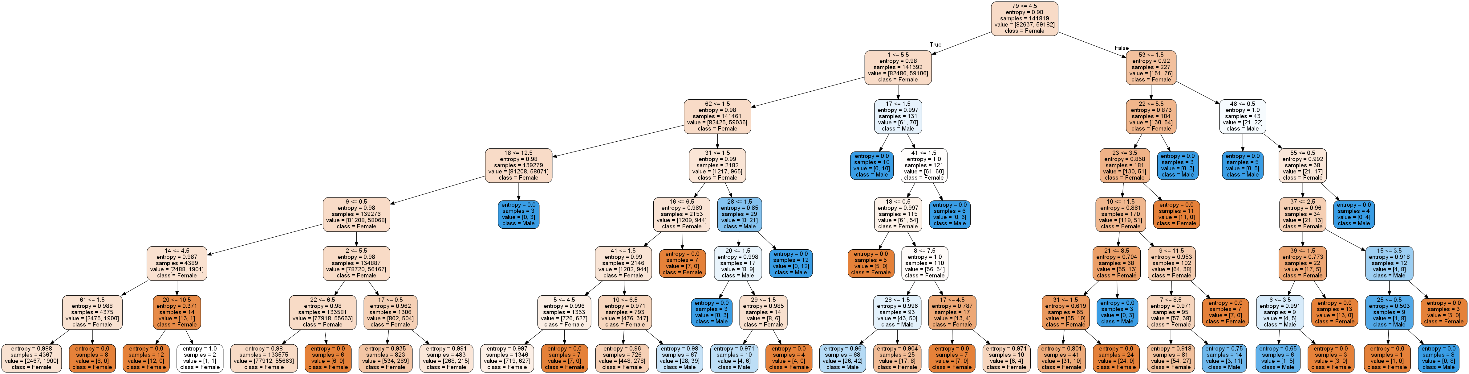
Graph:



**Criterion = “entropy” max\_depth = 7**

Accuracy: 0.584

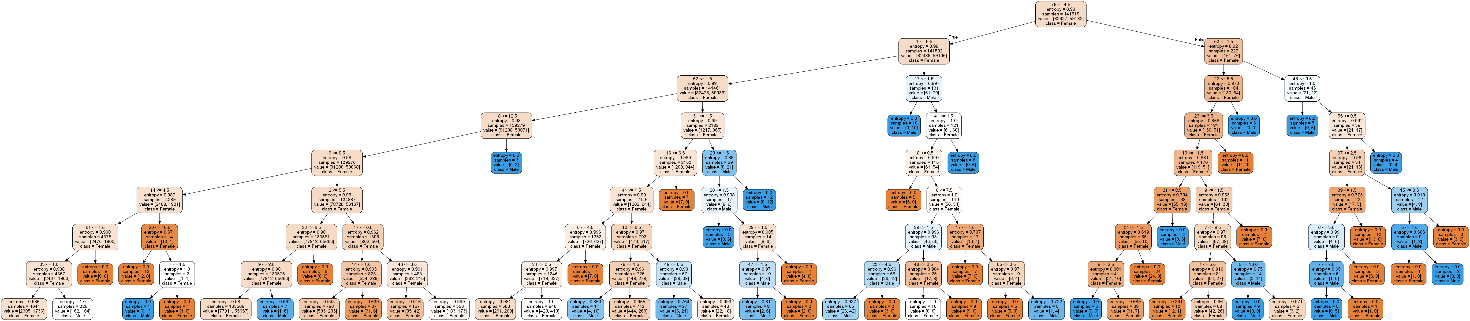
Graph:



**Criterion = “entropy” max\_depth = 8**

Accuracy: 0.583

Graph:



**OUTPUT NO WEB BALANCED DECISION TREE (432 IMG PER SESSO)**

**Criterion = “gini” max\_depth = 13**

Accuracy: 0.583

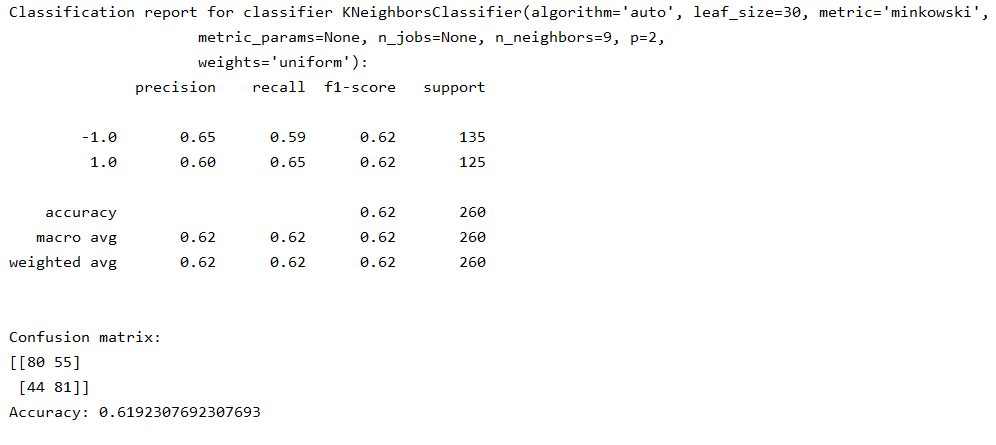
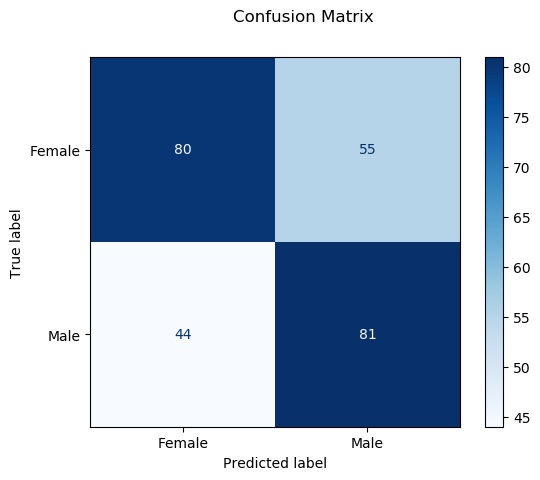
Graph:

**Criterion = “entropy” max\_depth = 13**

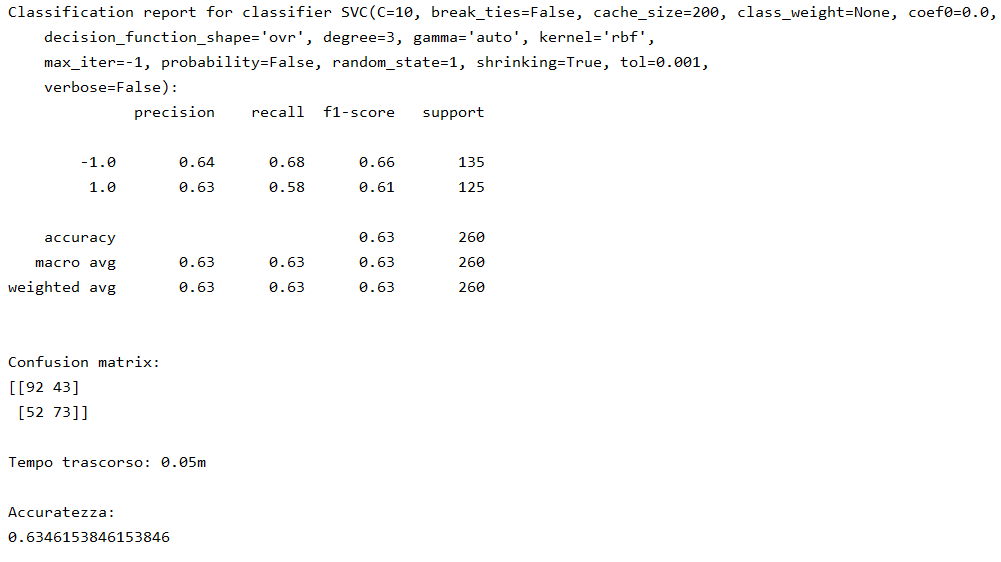
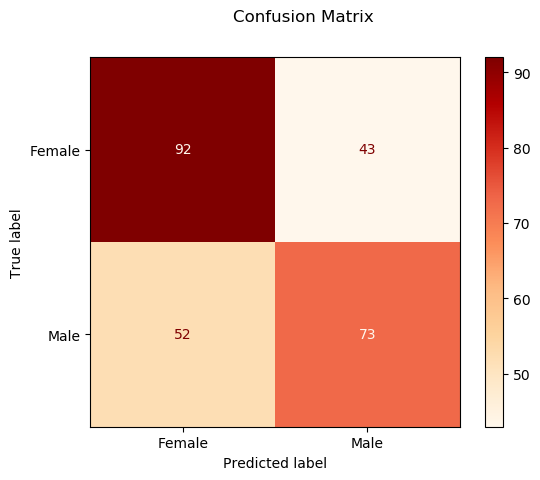
Accuracy: 0.503

Graph:

**OUTPUT NO WEB BALANCED K NEAREST NEIGHBORS (432 IMG PER SESSO)**

****

**OUTPUT NO WEB BALANCED SVM (432 IMG PER SESSO)**



**OUTPUT NO WEB DECISION TREE (1000 IMG)**

**Criterion = “gini” max\_depth = 13**

Accuracy: 0.53

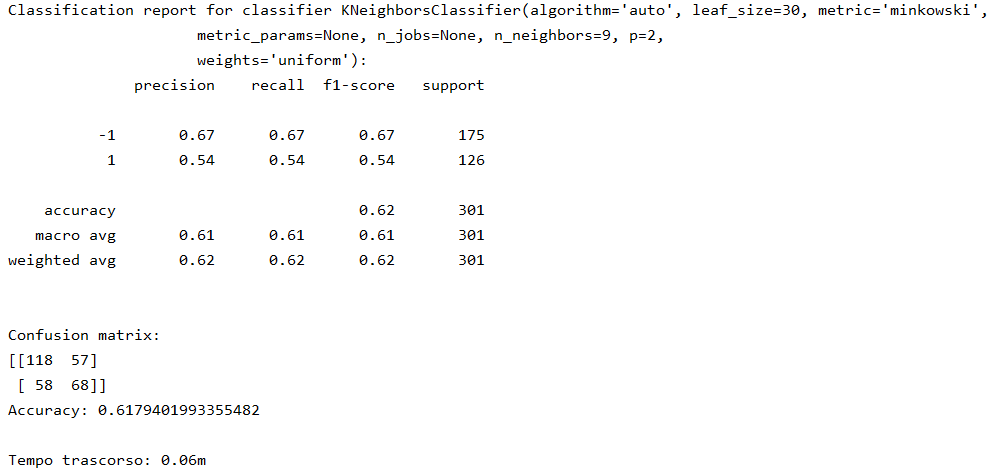
Graph:

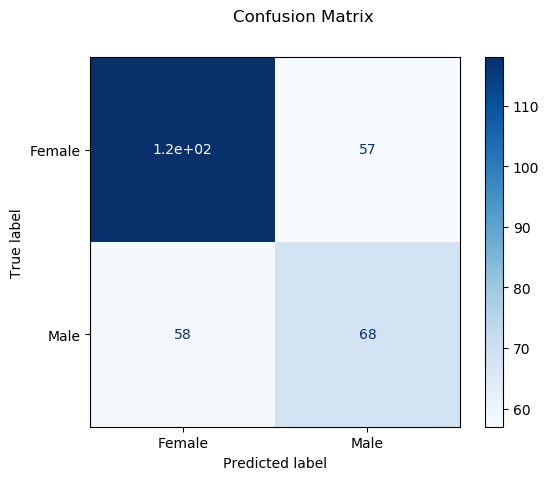
**Criterion = “entropy” max\_depth = 13**

Accuracy: 0.56

Graph:

**OUTPUT NO WEB KNN (1000 IMG)**





**OUTPUT NO WEB DECISION TREE (1000 IMG)**

