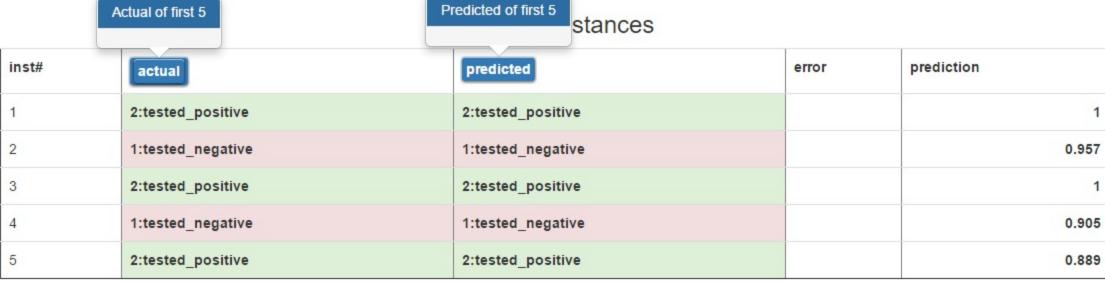
```
=== Run information ===
             weka.classifiers.trees.J48 -C 0.25 -M 2
Scheme:
             pima diabetes
Relation:
Instances:
             526
Attributes: 9
             preg
             plas
             pres
             skin
             insu
             mass
             pedi
             age
             class
             evaluate on training data
Test mode:
=== Classifier model (full training set) ===
Problem 9a
Problem 9b
                           Max Leaf Node
J48 pruned tree
                           tested_negative
plas <= 127
   age <= 30: tested_negative (210.0/20.0) 210 Instances
   age > 30
       mass <= 27: tested_negative (23.0/1.0) 23 Instances
       mass > 27
           pedi <= 0.514
               plas <= 106: tested negative (37.0/5.0) 37 Instances
               pres <= 66: tested_positive (7.0/1.0) 7 Instances
          pres > 66: tested_negative (23.0/8.0) 23 Instances
          pedi > 0.514: tested positive (36.0/13.0) 36 Instances
plas > 127
   mass <= 29.8
       plas <= 164
          pres <= 55: tested_positive (2.0) 2 Instances
           pres > 55
               age <= 41: tested negative (19.0) 19 Instances
                  age <= 53: tested_positive (3.0) 3 Instances
                   age > 53: tested_negative (11.0/1.0) 11 Instances
           mass <= 25.8: tested_positive (4.0) 4 Instances
           mass > 25.8
               preg <= 5
               plas <= 186: tested_positive (2.0) 2 Instances
                  plas > 186: tested_negative (2.0) 2 Instances
               preg > 5: tested_negative (2.0) 2 Instances
   mass > 29.8
       preg <= 7
           plas <= 157
               pres <= 86
                   pres <= 60: tested_positive (9.0/1.0) 9 Instances
                       preg <= 2
                          mass <= 41.8: tested_negative (16.0) 16 Instances
                          mass > 41.8: tested_positive (4.0/1.0) 4 Instances
                          pedi <= 0.233: tested_negative (6.0) 6 Instances
                          pedi > 0.233
                              pres <= 66: tested_negative (3.0) 3 Instances
                                      age <= 33: tested_positive (4.0) 4 Instances
                                      age > 33: tested_negative (4.0/1.0) 4 Instances
                                  age > 41: tested_positive (7.0) 7 Instances
               pres > 86: tested_positive (10.0/1.0) 10 Instances
           plas > 157: tested positive (52.0/10.0) 52 Instances
       preg > 7: tested_positive (30.0/2.0) 30 Instances
Number of Leaves :
Size of the tree :
Time taken to build model: 0.04 seconds
=== Predictions on training set ===
```

## Predictions for dataset pima\_diabetes





## Information Gain Report

```
=== Run information ===
Evaluator:
             weka.attributeSelection.InfoGainAttributeEval
Search:
             weka.attributeSelection.Ranker -T -1.7976931348623157E308 -N -1
Relation:
             pima diabetes
Instances: 526
Attributes: 9
             plas
             pres
             skin
             insu
             mass
             pedi
             age
             class
                  evaluate on all training data
Evaluation mode:
=== Attribute Selection on all input data ===
Search Method:
       Attribute ranking.
             Highest Information Gain
                                     (nominal): 9 class):
Attribute Ev
       Info
             plas
Ranked attribuces
          2 plas 1st Best
 0.1841
          8 age 2nd Best
 0.0812
         6 mass 3rd Best
 0.0753
 0.0578
          5 insu
 0.0563
          1 preg
 0.0377
          7 pedi
          3 pres
          4 skin
Selected attributes: 2,8,6,5,1,7,3,4 : 8
```

## UnPruned=true