```
*-------------------------------------------------------------*
User:                 u59400043
Date:                 March 31, 2022
Time:                 23:05:39
*-------------------------------------------------------------*
* Training Output
*-------------------------------------------------------------*


Variable Summary

           Measurement    Frequency
Role          Level         Count

ID          INTERVAL          1
INPUT       INTERVAL          4
TARGET      NOMINAL           1


Model Events

                                        Number
                        Measurement       of
Target      Event          Level        Levels      Order
  Label

class     VIRGINICA      NOMINAL          3      Descending


```

```
33
34
35 Predicted and decision variables
36
37 Type         Variable             Label
38
39 TARGET       class
40 PREDICTED    P_classvirginica     Predicted: class=virginica
41 RESIDUAL     R_classvirginica     Residual: class=virginica
42 PREDICTED    P_classversicolor    Predicted: class=versicolo
   r
43 RESIDUAL     R_classversicolor    Residual: class=versicolor
44 PREDICTED    P_classsetosa        Predicted: class=setosa
45 RESIDUAL     R_classsetosa        Residual: class=setosa
46 FROM         F_class              From: class
47 INTO         I_class              Into: class
48
49
50 *------------------------------------------------------------
   -*
51 * Score Output
52 *------------------------------------------------------------
   -*
53
54
55 *------------------------------------------------------------
   -*
56 * Report Output
57 *------------------------------------------------------------
   -*
58
59
60
61 Variable Importance
62
63
```

Variable Name	Label	Number of Splitting Rules	Ratio of Validation to Training Importance	Importance	Validation Importance
petal_width		2	1.0000	1.0000	1.0000

Tree Leaf Report

Node Id	Depth	Training Observations	Training Percent VIRGINICA	Validation Observations	Validation Percent VIRGINICA
4	2	21	0.1	19	0.05
2	1	20	0.0	19	0.00
5	2	18	1.0	21	0.90

Fit Statistics

Target=class Target Label=' '

```
 89    Fit
 90 Statistics    Statistics Label                Train    Valid
    ation      Test
 91
 92   _NOBS_      Sum of Frequencies            59.000       59
    .000     32.0000
 93   _MISC_      Misclassification Rate         0.034        0
    .051      0.0313
 94   _MAX_       Maximum Absolute Error         0.905        1
    .000      0.9048
 95   _SSE_       Sum of Squared Errors          3.619        5
    .964      1.8367
 96   _ASE_       Average Squared Error          0.020        0
    .034      0.0191
 97   _RASE_      Root Average Squared Error     0.143        0
    .184      0.1383
 98   _DIV_       Divisor for ASE              177.000      177
    .000     96.0000
 99   _DFT_       Total Degrees of Freedom     118.000
    .          .
100
101
102
103
104 Classification Table
105
106 Data Role=TRAIN Target Variable=class Target Label=' '
107
108                                Target        Outcome     Freq
    uency       Total
109 Target        Outcome       Percentage    Percentage      Co
    unt      Percentage
110
111 SETOSA        SETOSA          100.000         100
    20         33.8983
112 VERSICOLOR    VERSICOLOR       90.476         100
```

```
    19         32.2034
113 VIRGINICA     VERSICOLOR        9.524          10
     2          3.3898
114 VIRGINICA     VIRGINICA       100.000          90
    18         30.5085
115
116
117 Data Role=VALIDATE Target Variable=class Target Label=' '
118
119                                  Target        Outcome     Freq
    uency       Total
120 Target        Outcome       Percentage    Percentage      Co
    unt      Percentage
121
122 SETOSA        SETOSA          100.000         100
    19         32.2034
123 VERSICOLOR    VERSICOLOR       94.737          90
    18         30.5085
124 VIRGINICA     VERSICOLOR        5.263           5
     1          1.6949
125 VERSICOLOR    VIRGINICA         9.524          10
     2          3.3898
126 VIRGINICA     VIRGINICA        90.476          95
    19         32.2034
127
128
129
130
131 Event Classification Table
132
133 Data Role=TRAIN Target=class Target Label=' '
134
135   False       True        False       True
136 Negative    Negative    Positive    Positive
137
138     2          39           .          18
```

Data Role=VALIDATE Target=class Target Label=' '

False Negative	True Negative	False Positive	True Positive
1	37	2	19

Assessment Score Rankings

Data Role=TRAIN Target Variable=class Target Label=' '

Depth	Gain	Lift	Mean Cumulative Lift	% Response	Cumulative % Response	Number of Observations	Posterior Probability
5	195.000	2.95000	2.95000	100.000	100.000	3	1.00000
10	195.000	2.95000	2.95000	100.000	100.000	3	1.00000
15	195.000	2.95000	2.95000	100.000	100.000	3	1.00000
20	195.000	2.95000	2.95000	100.000	100.000	3	1.00000
25	195.000	2.95000	2.95000	100.000	100.000	3	1.00000
30	195.000	2.95000	2.95000	100.000	100.000	3	1.00000
35	156.871	0.28095	2.56871	9.524			

```
    87.075           3           0.09524
166   40     128.274    0.28095      2.28274        9.524
    77.381           3           0.09524
167   45     106.032    0.28095      2.06032        9.524
    69.841           3           0.09524
168   50      88.238    0.28095      1.88238        9.524
    63.810           3           0.09524
169   55      73.680    0.28095      1.73680        9.524
    58.874           3           0.09524
170   60      61.548    0.28095      1.61548        9.524
    54.762           3           0.09524
171   65      51.282    0.28095      1.51282        9.524
    51.282           3           0.09524
172   70      40.476    0.00000      1.40476        0.000
    47.619           3           0.00000
173   75      31.111    0.00000      1.31111        0.000
    44.444           3           0.00000
174   80      22.917    0.00000      1.22917        0.000
    41.667           3           0.00000
175   85      15.686    0.00000      1.15686        0.000
    39.216           3           0.00000
176   90       9.259    0.00000      1.09259        0.000
    37.037           3           0.00000
177   95       3.509    0.00000      1.03509        0.000
    35.088           3           0.00000
178  100       0.000    0.00000      1.00000        0.000
    33.898           2           0.00000
179
180
181 Data Role=VALIDATE Target Variable=class Target Label=' '
182
183
                                    Mean
184                                 Cumulative        %       Cum
    ulative      Number of      Posterior
185 Depth       Gain      Lift        Lift       Response    % R
```

	esponse	Observations	Probability			
186						
187	5	166.905	2.66905	2.66905	90.4762	9
	0.4762	3	1.00000			
188	10	166.905	2.66905	2.66905	90.4762	9
	0.4762	3	1.00000			
189	15	166.905	2.66905	2.66905	90.4762	9
	0.4762	3	1.00000			
190	20	166.905	2.66905	2.66905	90.4762	9
	0.4762	3	1.00000			
191	25	166.905	2.66905	2.66905	90.4762	9
	0.4762	3	1.00000			
192	30	166.905	2.66905	2.66905	90.4762	9
	0.4762	3	1.00000			
193	35	166.905	2.66905	2.66905	90.4762	9
	0.4762	3	1.00000			
194	40	135.482	0.15526	2.35482	5.2632	7
	9.8246	3	0.09524			
195	45	111.043	0.15526	2.11043	5.2632	7
	1.5400	3	0.09524			
196	50	91.491	0.15526	1.91491	5.2632	6
	4.9123	3	0.09524			
197	55	75.494	0.15526	1.75494	5.2632	5
	9.4896	3	0.09524			
198	60	62.164	0.15526	1.62164	5.2632	5
	4.9708	3	0.09524			
199	65	50.884	0.15526	1.50884	5.2632	5
	1.1471	3	0.09524			
200	70	40.476	0.05175	1.40476	1.7544	4
	7.6190	3	0.03175			
201	75	31.111	0.00000	1.31111	0.0000	4
	4.4444	3	0.00000			
202	80	22.917	0.00000	1.22917	0.0000	4
	1.6667	3	0.00000			
203	85	15.686	0.00000	1.15686	0.0000	3
	9.2157	3	0.00000			

```
204   90       9.259    0.00000      1.09259       0.0000      3
    7.0370           3           0.00000
205   95       3.509    0.00000      1.03509       0.0000      3
    5.0877           3           0.00000
206  100       0.000    0.00000      1.00000       0.0000      3
    3.8983           2           0.00000
207
208
209
210
211 Assessment Score Distribution
212
213 Data Role=TRAIN Target Variable=class Target Label=' '
214
215  Posterior     Number                     Mean
216 Probability      of      Number of     Posterior
217    Range       Events    Nonevents    Probability    Percent
    age
218
219  0.95-1.00       18           0         1.00000        30.50
    85
220  0.05-0.10        2          19         0.09524        35.59
    32
221  0.00-0.05        0          20         0.00000        33.89
    83
222
223
224 Data Role=VALIDATE Target Variable=class Target Label=' '
225
226  Posterior     Number                     Mean
227 Probability      of      Number of     Posterior
228    Range       Events    Nonevents    Probability    Percent
    age
229
230  0.95-1.00       19           2         1.00000        35.59
    32
```

231	0.05-0.10	1	18	0.09524	32.2034
232	0.00-0.05	0	19	0.00000	32.2034