```
 1 *--------------------------------------------------------
   ---*
 2  Node = 7
 3 *--------------------------------------------------------
   ---*
 4 if Replacement: Flee IS ONE OF: CAR, FOOT, UNDETERMINED
 5 AND Replacement: Armed_Category IS ONE OF: GUN, UNARMED, U
   NDETERMINED, OTHER WEAPON, VEHICLE or MISSING
 6 then
 7  Tree Node Identifier   = 7
 8  Number of Observations = 1340
 9  Predicted: Signs_Of_Mental_Illness=1 = 0.10
10  Predicted: Signs_Of_Mental_Illness=0 = 0.90
11
12 *--------------------------------------------------------
   ---*
13  Node = 9
14 *--------------------------------------------------------
   ---*
15 if Replacement: Flee IS ONE OF: NOT FLEEING or MISSING
16 AND Replacement: Armed_Category IS ONE OF: GUN, UNARMED, U
   NDETERMINED, BLUNT WEAPON, OTHER WEAPON, VEHICLE or MISSIN
   G
17 AND Race_Label IS ONE OF: WHITE, ASIAN or MISSING
18 then
19  Tree Node Identifier   = 9
20  Number of Observations = 983
21  Predicted: Signs_Of_Mental_Illness=1 = 0.32
22  Predicted: Signs_Of_Mental_Illness=0 = 0.68
23
24 *--------------------------------------------------------
   ---*
25  Node = 11
26 *--------------------------------------------------------
   ---*
27 if Replacement: Flee IS ONE OF: NOT FLEEING or MISSING
28 AND Replacement: Armed_Category IS ONE OF: GUN, UNARMED, U
   NDETERMINED, TOY WEAPON, OTHER WEAPON, VEHICLE or MISSING
```

```
29 AND Race_Label IS ONE OF: HISPANIC, BLACK, OTHER, NATIVE
30 then
31  Tree Node Identifier   = 11
32  Number of Observations = 758
33  Predicted: Signs_Of_Mental_Illness=1 = 0.16
34  Predicted: Signs_Of_Mental_Illness=0 = 0.84
35
36 *---------------------------------------------------------
   ---*
37  Node = 12
38 *---------------------------------------------------------
   ---*
39 if Replacement: Flee IS ONE OF: CAR, FOOT, UNDETERMINED
40 AND Replacement: Armed_Category IS ONE OF: BLUNT WEAPON, S
   HARP WEAPON, TOY WEAPON
41 AND Month IS ONE OF: 1, 2, 3, 6, 7, 9 or MISSING
42 then
43  Tree Node Identifier   = 12
44  Number of Observations = 115
45  Predicted: Signs_Of_Mental_Illness=1 = 0.33
46  Predicted: Signs_Of_Mental_Illness=0 = 0.67
47
48 *---------------------------------------------------------
   ---*
49  Node = 21
50 *---------------------------------------------------------
   ---*
51 if Replacement: Flee IS ONE OF: NOT FLEEING or MISSING
52 AND Replacement: Armed_Category IS ONE OF: BLUNT WEAPON, S
   HARP WEAPON
53 AND Race_Label IS ONE OF: HISPANIC, BLACK, OTHER, NATIVE
54 AND Month IS ONE OF: 1, 2, 3, 4, 7, 8, 10 or MISSING
55 then
56  Tree Node Identifier   = 21
57  Number of Observations = 190
58  Predicted: Signs_Of_Mental_Illness=1 = 0.40
59  Predicted: Signs_Of_Mental_Illness=0 = 0.60
60
```

```
61  *-----------------------------------------------------------
    ---*
62   Node = 27
63  *-----------------------------------------------------------
    ---*
64  if Replacement: Flee IS ONE OF: CAR, FOOT, UNDETERMINED
65  AND Replacement: Armed_Category IS ONE OF: BLUNT WEAPON, S
    HARP WEAPON, TOY WEAPON
66  AND Race_Label IS ONE OF: WHITE, HISPANIC or MISSING
67  AND Month IS ONE OF: 4, 5, 8, 10, 11, 12
68  then
69   Tree Node Identifier   = 27
70   Number of Observations = 75
71   Predicted: Signs_Of_Mental_Illness=1 = 0.11
72   Predicted: Signs_Of_Mental_Illness=0 = 0.89
73
74  *-----------------------------------------------------------
    ---*
75   Node = 32
76  *-----------------------------------------------------------
    ---*
77  if Threat_Level IS ONE OF: ATTACK or MISSING
78  AND Replacement: Flee IS ONE OF: NOT FLEEING or MISSING
79  AND Replacement: Armed_Category IS ONE OF: TOY WEAPON
80  AND Race_Label IS ONE OF: WHITE, ASIAN or MISSING
81  then
82   Tree Node Identifier   = 32
83   Number of Observations = 59
84   Predicted: Signs_Of_Mental_Illness=1 = 0.69
85   Predicted: Signs_Of_Mental_Illness=0 = 0.31
86
87  *-----------------------------------------------------------
    ---*
88   Node = 33
89  *-----------------------------------------------------------
    ---*
90  if Threat_Level IS ONE OF: OTHER
91  AND Replacement: Flee IS ONE OF: NOT FLEEING or MISSING
```

```
 92 AND Replacement: Armed_Category IS ONE OF: TOY WEAPON
 93 AND Race_Label IS ONE OF: WHITE, ASIAN or MISSING
 94 then
 95  Tree Node Identifier  = 33
 96  Number of Observations = 13
 97  Predicted: Signs_Of_Mental_Illness=1 = 0.31
 98  Predicted: Signs_Of_Mental_Illness=0 = 0.69
 99
100 *------------------------------------------------------------
    ---*
101  Node = 35
102 *------------------------------------------------------------
    ---*
103 if Replacement: Flee IS ONE OF: NOT FLEEING or MISSING
104 AND Replacement: Armed_Category IS ONE OF: SHARP WEAPON or
     MISSING
105 AND Race_Label IS ONE OF: WHITE, ASIAN or MISSING
106 AND Month IS ONE OF: 1, 3, 5, 8
107 then
108  Tree Node Identifier  = 35
109  Number of Observations = 121
110  Predicted: Signs_Of_Mental_Illness=1 = 0.32
111  Predicted: Signs_Of_Mental_Illness=0 = 0.68
112
113 *------------------------------------------------------------
    ---*
114  Node = 41
115 *------------------------------------------------------------
    ---*
116 if Replacement: Flee IS ONE OF: NOT FLEEING or MISSING
117 AND Replacement: Armed_Category IS ONE OF: BLUNT WEAPON, S
    HARP WEAPON
118 AND Race_Label IS ONE OF: HISPANIC, BLACK, OTHER, NATIVE
119 AND Month IS ONE OF: 5, 6, 9, 11, 12
120 AND Body_Camera IS ONE OF: 0 or MISSING
121 then
122  Tree Node Identifier  = 41
123  Number of Observations = 92
```

```
124  Predicted: Signs_Of_Mental_Illness=1 = 0.21
125  Predicted: Signs_Of_Mental_Illness=0 = 0.79
126
127  *----------------------------------------------------------
     ---*
128   Node = 52
129  *----------------------------------------------------------
     ---*
130  if Replacement: Flee IS ONE OF: CAR, FOOT, UNDETERMINED
131  AND Replacement: Armed_Category IS ONE OF: BLUNT WEAPON, S
     HARP WEAPON, TOY WEAPON
132  AND Race_Label IS ONE OF: BLACK
133  AND Month IS ONE OF: 4, 5, 8, 10, 11, 12
134  AND Body_Camera IS ONE OF: 1
135  then
136   Tree Node Identifier   = 52
137   Number of Observations = 5
138   Predicted: Signs_Of_Mental_Illness=1 = 0.00
139   Predicted: Signs_Of_Mental_Illness=0 = 1.00
140
141  *----------------------------------------------------------
     ---*
142   Node = 53
143  *----------------------------------------------------------
     ---*
144  if Replacement: Flee IS ONE OF: CAR, FOOT, UNDETERMINED
145  AND Replacement: Armed_Category IS ONE OF: BLUNT WEAPON, S
     HARP WEAPON, TOY WEAPON
146  AND Race_Label IS ONE OF: BLACK
147  AND Month IS ONE OF: 4, 5, 8, 10, 11, 12
148  AND Body_Camera IS ONE OF: 0 or MISSING
149  then
150   Tree Node Identifier   = 53
151   Number of Observations = 11
152   Predicted: Signs_Of_Mental_Illness=1 = 0.55
153   Predicted: Signs_Of_Mental_Illness=0 = 0.45
154
155  *----------------------------------------------------------
```

```
---*
156   Node = 68
157  *------------------------------------------------------------
       ---*
158  if Replacement: Flee IS ONE OF: NOT FLEEING or MISSING
159  AND Replacement: Armed_Category IS ONE OF: SHARP WEAPON or
       MISSING
160  AND Region IS ONE OF: SOUTHWEST, NORTHEAST
161  AND Race_Label IS ONE OF: WHITE, ASIAN or MISSING
162  AND Month IS ONE OF: 2, 4, 6, 7, 9, 10, 11, 12 or MISSING
163  then
164   Tree Node Identifier   = 68
165   Number of Observations = 56
166   Predicted: Signs_Of_Mental_Illness=1 = 0.64
167   Predicted: Signs_Of_Mental_Illness=0 = 0.36
168
169  *------------------------------------------------------------
       ---*
170   Node = 69
171  *------------------------------------------------------------
       ---*
172  if Replacement: Flee IS ONE OF: NOT FLEEING or MISSING
173  AND Replacement: Armed_Category IS ONE OF: SHARP WEAPON or
       MISSING
174  AND Region IS ONE OF: WEST, MIDWEST, SOUTHEAST or MISSING
175  AND Race_Label IS ONE OF: WHITE, ASIAN or MISSING
176  AND Month IS ONE OF: 2, 4, 6, 7, 9, 10, 11, 12 or MISSING
177  then
178   Tree Node Identifier   = 69
179   Number of Observations = 151
180   Predicted: Signs_Of_Mental_Illness=1 = 0.49
181   Predicted: Signs_Of_Mental_Illness=0 = 0.51
182
183  *------------------------------------------------------------
       ---*
184   Node = 80
185  *------------------------------------------------------------
       ---*
```

```
186 if Replacement: Flee IS ONE OF: NOT FLEEING or MISSING
187 AND Replacement: Armed_Category IS ONE OF: BLUNT WEAPON, S
    HARP WEAPON
188 AND Race_Label IS ONE OF: HISPANIC, BLACK, OTHER, NATIVE
189 AND Month IS ONE OF: 5, 6, 9, 11, 12
190 AND Day < 18.5 or MISSING
191 AND Body_Camera IS ONE OF: 1
192 then
193  Tree Node Identifier  = 80
194  Number of Observations = 13
195  Predicted: Signs_Of_Mental_Illness=1 = 0.62
196  Predicted: Signs_Of_Mental_Illness=0 = 0.38
197
198 *------------------------------------------------------------
    ---*
199  Node = 81
200 *------------------------------------------------------------
    ---*
201 if Replacement: Flee IS ONE OF: NOT FLEEING or MISSING
202 AND Replacement: Armed_Category IS ONE OF: BLUNT WEAPON, S
    HARP WEAPON
203 AND Race_Label IS ONE OF: HISPANIC, BLACK, OTHER, NATIVE
204 AND Month IS ONE OF: 5, 6, 9, 11, 12
205 AND Day >= 18.5
206 AND Body_Camera IS ONE OF: 1
207 then
208  Tree Node Identifier  = 81
209  Number of Observations = 8
210  Predicted: Signs_Of_Mental_Illness=1 = 0.13
211  Predicted: Signs_Of_Mental_Illness=0 = 0.88
212
```