samples = 309samples = 2244samples = 8714samples = 3 $X[38] \le 250.4000$ gini = 0.172335600907 samples = 21

gini = 0.0000 samples = 9 value = [0. 9. 0.] gini = 0.229616260714 samples = 441 $\begin{array}{c|c} samples = 146 \\ \hline \end{array}$ samples = 7 $X[38] \le 240.9500$ gini = 0.0000 samples = 4 samples = 159 value = [4. 0. 0.] $X[13] \le 0.3061$ gini = 0.0000 samples = 2 value = [0. 2. 0.] gini = 0.0000 samples = 1 value = [0. 1. 0.] gini = 0.0000 samples = 3 value = [3. 0. 0.] $X[25] \le 97.5000$ gini = 0.0937935568705 samples = 390 $X[66] \le 33.6795$ gini = 0.21875 samples = 8 gini = 0.0000 samples = 9 value = [9, 0, 0] $X[33] \le 1.9746$ gini = 0.517301038062 samples = 34 $X[3] \le 0.4447$ gini = 0.5 samples = 4 gini = 0.0000 samples = 51 value = [0. 51. 0.]| gini = 0.0507361892891value = [0. 0. 3.] samples = 3 samples = 7856 $X[7] \le 0.2818$ $X[78] \le 68057.5000$ gini = 0.058341342077 $X[49] \le 320521.0000$ gini = 0.0000 X[77] <= 2273819.5000 gini = 0.0000 gini = 0.0867768595041 gini = 0.0163435289374 | samples = 1 gini = 0.060546875 gini = 0.0471839875945 | samples = 15 samples = 7 samples = 133 samples = 22 samples = 7841 value = $\begin{bmatrix} 0. & 15. & 0. \end{bmatrix}$ samples = 851 value = [1. 0. 0.]samples = 32 $\begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 3 \\ \text{value} = [\ 0.\ 0.\ 3.] \end{array} \quad \begin{array}{c} X[56] <= 35.5238 \\ \text{gini} = 0.375 \\ \text{samples} = 4 \end{array} \quad \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 1 \\ \text{value} = [\ 0.\ 1.\ 0.] \end{array} \quad \begin{array}{c} X[57] <= 29.5145 \\ \text{gini} = 0.0444214876033 \\ \text{samples} = 132 \end{array}$ X[66] <= 40.0285 gini = 0.0140565842722 gini = 0.0000 $X[27] \le 10617450.0000$ $X[8] \le 1.0620$ gini = 0.0140565842722 samples = 849 gini = 0.5 samples = 2 samples = 2 gini = 0.00569795918367samples = 377 samples = 7samples = 10 samples = 12

 value = [0. 1. 0.] value = [2. 0. 0.] value = [350]

 value = [350] value = [350]
 gini = 0.0000samples = 8 1.00000 1.00000 1.000000 1.000000 1.00000 $\begin{array}{c} X[44] <= 5.0217 \\ \text{gini} = 0.0264377019646 \\ \text{samples} = 374 \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 3 \\ \text{value} = [\ 0.\ \ 0.\ \ 2.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 5 \\ \text{value} = [\ 0.\ \ 5.\ \ 0.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 5 \\ \text{value} = [\ 0.\ \ 6.\ \ 0.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 6 \\ \text{value} = [\ 0.\ \ 6.\ \ 0.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 1 \\ \text{value} = [\ 0.\ \ 0.\ \ 11.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 1 \\ \text{value} = [\ 0.\ \ 0.\ \ 11.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 1 \\ \text{value} = [\ 0.\ \ 0.\ \ 11.] \end{array} \\ \end{array}$ $\begin{array}{c|c}
gini = 0.0000 \\
samples = 1 \\
samples = 3
\end{array}$ $\begin{array}{c}
gini = 0.0000 \\
samples = 3
\end{array}$ $X[36] \le 0.6399$ $X[31] \le 1.5265$ gini = 0.5 samples = 2

gini = 0.0302958579882samples = 130 | value = [0. 0. 1.] | value = [0. 3. 0.] | $\begin{array}{c|c}
gini = 0.0000 \\
samples = 3 \\
1 & 1 & 1 & 1 & 1 & 1 & 1 \\
\end{array}$ $\begin{array}{c|c}
gini = 0.0000 \\
samples = 1 \\
\end{array}$ gini = 0.0000samples = 4 X[34] <= 0.4170gini = 0.489795918367 $X[77] \le 6211902.0000$ gini = 0.016027864493 samples = 372

gini = 0.0000 samples = 2 value = [0. 2. 0.] gini = 0.0000samples = 1 value = [0. 1. 0.]gini = 0.0000samples = 1 value = [1. 0. 0.]gini = 0.0402151311286 | samples = 7 samples = 7808 | value = [0.7.0]value = $[4. \ 0. \ 0.]$ samples = 7 value = [0. 0. 3.] | value = [0. 1. 0.] X[44] <= 4.9846 gini = 0.00481344972142 samples = 829 X[74] <= 180097.5000 gini = 0.375 samples = 11 value = [0.11.0] gini = 0.0000 samples = 2 value = [2.0.0] $\begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 8 \\ \text{value} = [\ 0.\ \ 0.\ \ 8.] \end{array} \qquad \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 2 \\ \text{value} = [\ 0.\ \ 2.\ \ 0.] \end{array}$ gini = 0.0000samples = 4value = [0. 0. 4.]gini = 0.0000samples = 3value = [0. 3. 0.]gini = 0.0107235489425 samples = 371

signification of the state of the samples in the sample in t gini = 0.0295423441994 samples = 7482samples = 326 $X[10] \le 0.2292$ gini = 0.00539079620161 samples = 370 gini = 0.0000 samples = 1 value = [0. 1. 0.]X[82] <= 1.5092 gini = 0.0249876948888 samples = 7436 $X[26] \le 34.2000$ gini = 0.549149338374samples = 297samples = 29samples = 46gini = 0.0000 samples = 2 value = [0. 0. 2.]

gini = 0.0000 samples = 27 value = [0. 27. 0.] gini = 0.0000samples = 365value = [0. 0.365] X[83] <= 43484356.0000gini = 0.32samples = 5X[38] <= 281.4500 X[39] <= 1415.0000 $X[79] \le 0.7072$ gini = 0.0000 X[58] <= 18.0000 $X[44] \le 0.6941$ gini = 0.0239532365959 samples = 7431 gini = 0.32samples = 5gini = 0.460223537147 gini = 0.404996712689 samples = 258samples = 39 value = $[7. \ 0. \ 0.]$ samples = 39 $\begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 1 \\ \text{value} = [\ 0.\ 1.\ 0.] \end{array} \end{array} \begin{array}{c} \text{X[50]} <= 204601.5000 \\ \text{gini} = 0.052990961256 \\ \text{samples} = 257 \end{array} \end{array} \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 10 \\ \text{value} = [\ 0.\ 10.\ 0.] \end{array} \begin{array}{c} \text{X[50]} <= 124237.0000 \\ \text{gini} = 0.237812128419 \\ \text{samples} = 29 \end{array} \begin{array}{c} \text{X[78]} <= 258015.5000 \\ \text{gini} = 0.408163265306 \\ \text{samples} = 7 \end{array} \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 21 \\ \text{value} = [\ 0.\ 21.\ 0.] \end{array}$ gini = 0.0000 gini = 0.0000 samples = 4 value = [0. 0. 4.] samples = 1 value = [0. 1. 0.] gini = 0.18 | gini = 0.197530864198 | samples = 9 samples = 9 $X[38] \le 522.3000$ gini = 0.239197530864 samples = 72 gini = 0.0000 samples = 6 value = [0. 0. 6.] gini = 0.0000 samples = 4 value = [0. 4. 0.] $\begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 1 \\ \text{value} = [\ 0.\ \ 1.\ \ 0.] \end{array} \qquad \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 27 \\ \text{value} = [\ 0.\ \ 0.\ \ 27.] \end{array} \qquad \begin{array}{c} X[13] <= 0.2822 \\ \text{gini} = 0.0196965309061 \\ \text{samples} = 7346 \end{array}$ $\begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 2 \\ \text{value} = [\ 0.\ \ 2.\ \ 0.] \end{array} \quad \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 3 \\ \text{value} = [\ 0.\ \ 0.\ \ 3.] \end{array} \quad \begin{array}{c} X[45] <= 0.1629 \\ \text{gini} = 0.0238060676441 \\ \text{samples} = 249 \end{array} \quad \begin{array}{c} X[27] <= 44889848.0000 \\ \text{gini} = 0.5 \\ \text{samples} = 2 \end{array}$ X[77] <= 564152.0000 gini = 0.0000 gini = 0.498614958449 samples = 19

samples = 53 value = [0. 0. 53.] gini = 0.016043217475 samples = 7179 samples = 167X[43] <= 15973875.0000 gini = 0.32 gini = 0.0162590701424 samples = 5 x[13] <= 0.2792 gini = 0.0000 samples = 1 value = [0. 1. 0.] x[13] <= 0.2792 gini = 0.0000 samples = 1 value = [0. 1. 0.] $X[63] \le 1.5000$ gini = 0.137486520929 samples = 202 gini = 0.0000 samples = 7 value = [0. 0. 7.]gini = 0.0661474948396 samples = 6977 samples = 21samples = 146samples = 12 $X[57] \le 31.3149$ gini = 0.0000 gini = 0.0000 samples = 10 samples = 2 $X[66] \le 35.4121$ gini = 0.0000 | X[56] <= 35.8330 | X[47] <= 15074297.0000 | gini = 0.0325997374928 gini = 0.362811791383 | samples = 125 gini = 0.355029585799 gini = 0.116432818074 value = [0. 0. 8.] samples = 13 samples = 21 | value = [0. 0. 125.]samples = 6832samples = 181 samples = 145 samples = 21 | value = [0. 10. 0.] | value = [0. 0. 2.] | X[20] <= 1.4297 gini = 0.173816568047samples = 11 | value = $\begin{bmatrix} 0. & 0. & 2. \end{bmatrix}$ | samples = 6samples = 52 $\begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 1 \\ \text{value} = [0. \ 1. \ 0.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 5 \\ \text{value} = [0. \ 1. \ 0.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 5 \\ \text{value} = [0. \ 0. \ 5.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 5 \\ \text{value} = [0. \ 0. \ 5.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 5 \\ \text{value} = [0. \ 0. \ 5.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 5 \\ \text{value} = [0. \ 0. \ 5.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 5 \\ \text{value} = [0. \ 0. \ 0. \ 1.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 5 \\ \text{value} = [0. \ 0. \ 0. \ 1.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 5 \\ \text{value} = [0. \ 0. \ 0. \ 1.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 5 \\ \text{value} = [0. \ 0. \ 0. \ 1.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 5 \\ \text{value} = [0. \ 0. \ 0. \ 1.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 5 \\ \text{value} = [0. \ 0. \ 0. \ 1.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 5 \\ \text{value} = [0. \ 0. \ 0. \ 1.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 5 \\ \text{value} = [0. \ 0. \ 0. \ 1.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 5 \\ \text{value} = [0. \ 0. \ 0. \ 1.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 1 \\ \text{value} = [0. \ 0. \ 0. \ 1.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 5 \\ \text{value} = [0. \ 0. \ 0. \ 1.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 5 \\ \text{value} = [0. \ 0. \ 0. \ 1.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 5 \\ \text{value} = [0. \ 0. \ 0. \ 1.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 39 \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 39 \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 1 \\ \text{value} = [0. \ 0. \ 0. \ 1.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 1 \\ \text{value} = [0. \ 0. \ 0. \ 1.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 39 \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 39 \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 1 \\ \text{value} = [0. \ 0. \ 0. \ 1.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 1 \\ \text{value} = [0. \ 0. \ 0. \ 1.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 39 \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 39 \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 1 \\ \text{value} = [0. \ 0.$ gini = 0.0000samples = 3value = [0. 0. 3.]gini = 0.0000samples = 2value = [0. 2. 0.] $\begin{array}{c|c} gini = 0.0000 \\ samples = 1 \\ value = [\ 0.\ 1.\ 0.] \end{array} \qquad \begin{array}{c} gini = 0.0000 \\ samples = 3 \\ value = [\ 0.\ 0.\ 3.] \end{array}$ $\begin{array}{c}
gini = 0.0000 \\
samples = 134
\end{array}$ $gini = 0.000 \\
samples = 0.000$ samples = 134 value = [0. 0. 134.] | samples = 1 value = [0. 1. 0.] X[43] <= 20183286.0000 X[50] <= 662970.0000 gini = 0.00455229067732 samples = 9 samples = 6578 X[20] <= 1.2199 gini = 0.0000 samples = 3 value = [0. 3. 0.] gini = 0.0000 samples = 47 value = [0. 0. 47.] gini = 0.00396205764796 samples = 6552 X[13] <= 0.3169 gini = 0.0033681218892 samples = 6523 X[20] <= 1.8687 gini = 0.0000 samples = 1 value = [1. 0. 0.] gini = 0.0000 samples = 6 value = [0. 0. 6.]gini = 0.02390088449 value = [0. 0. 110.] samples = 3 samples = 5997 samples = 248samples = 160samples = 4 $\begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 156 \\ \text{value} = [\ 0. \ 0. \ 156.] \end{array} \\ \text{value} = [\ 0. \ 0. \ 156.] \end{array} \\ \begin{array}{c} \text{Sini} = 0.0000 \\ \text{samples} = 4 \\ \text{value} = [\ 0. \ 0. \ 3.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 1 \\ \text{value} = [\ 0. \ 0. \ 3.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 2 \\ \text{value} = [\ 0. \ 0. \ 3.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 2 \\ \text{value} = [\ 0. \ 0. \ 3.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 2 \\ \text{value} = [\ 0. \ 0. \ 3.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 2 \\ \text{value} = [\ 0. \ 0. \ 3.] \end{array} \\ \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 2 \\ \text{value} = [\ 0. \ 0. \ 3.] \end{array} \\ \begin{array}{c} \text{Sini} = 0.0000 \\ \text{samples} = 2 \\ \text{value} = [\ 0. \ 0. \ 3.] \end{array} \\ \begin{array}{c} \text{Sini} = 0.0000 \\ \text{samples} = 5919 \end{array} \\ \end{array}$ gini = 0.0000samples = 1 value = [0. 1. 0.]gini = 0.0000samples = 3 value = [0. 0. 3.]

 $\begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 5309 \\ \text{value} = [\ 0. \ \ 0. \ 5309.] \end{array} \quad \begin{array}{c} X[79] <= 1.2346 \\ \text{gini} = 0.00655730609418 \\ \text{samples} = 304 \end{array} \quad \begin{array}{c} X[33] <= 0.8570 \\ \text{gini} = 0.165289256198 \\ \text{samples} = 11 \end{array} \quad \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 295 \\ \text{value} = [\ \ 0. \ \ 0. \ \ 295.] \end{array}$

 $\begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 1 \\ \text{value} = [\ 0.\ 1.\ 0.] \end{array} \quad \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 303 \\ \text{value} = [\ 0.\ 0.\ 303.] \end{array} \quad \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 1 \\ \text{value} = [\ 1.\ 0.\ 0.] \end{array} \quad \begin{array}{c} \text{gini} = 0.0000 \\ \text{samples} = 10 \\ \text{value} = [\ 0.\ 0.\ 10.] \end{array}$

gini = 0.0000samples = 2value = [0. 0. 2.]gini = 0.0000samples = 1value = [0. 1. 0.]