$\begin{array}{c} \text{entropy} = -0.0 \\ \text{samples} = 3 \\ \text{value} = [1.218, \, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = 0.0 \\ \text{samples} = 3 \\ \text{value} = [0.0, \, 0.254] \end{array} \\ \end{array} \\ \begin{array}{c} \text{X[2103]} <= -0.59 \\ \text{entropy} = 0.0 \\ \text{samples} = 3 \\ \text{value} = [0.0, \, 0.639] \end{array} \\ \begin{array}{c} \text{X[174]} <= 0.388 \\ \text{entropy} = 0.053 \\ \text{samples} = 2 \\ \text{value} = [0.0, \, 0.639] \end{array} \\ \begin{array}{c} \text{X[1214]} <= -0.075 \\ \text{entropy} = 0.77 \\ \text{samples} = 8 \\ \text{value} = [13.202, \, 22.234] \end{array} \\ \begin{array}{c} \text{X[1214]} <= -0.075 \\ \text{entropy} = 0.77 \\ \text{samples} = 8 \\ \text{value} = [2.645, \, 0.77] \end{array} \\ \end{array}$ X[1237] <= 0.76entropy = 0.875 samples = 30 value = [7.924, 3.317] X[141] <= -0.099entropy = 0.0 samples = 3 value = [0.0, 1.024] $\begin{array}{c} \text{entropy} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [0.406, \, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [0.812, \, 0.0] \end{array} \\ \begin{array}{c} \text{X}[400] <= 0.669 \\ \text{entropy} = 0.902 \\ \text{samples} = 89 \\ \text{value} = [9.745, \, 20.956] \end{array} \\ \begin{array}{c} \text{X}[3462] <= 0.101 \\ \text{entropy} = 0.841 \\ \text{samples} = 12 \\ \text{value} = [3.457, \, 1.278] \end{array} \\ \begin{array}{c} \text{entropy} = 0.0 \\ \text{samples} = 6 \\ \text{value} = [2.645, \, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.0 \\ \text{samples} = 2 \\ \text{value} = [0.0, \, 0.77] \end{array} \\ \end{array}$ $X[3532] \le 0.196$ entropy = 0.931 samples = 10 value = [1.218, 2.301] entropy = -0.0 samples = 5 value = [2.03, 0.0]X[4217] <= -0.392entropy = 0.815 samples = 28 value = [7.924, 2.678] X[288] <= 2.544entropy = 0.0 samples = 2 value = [0.0, 0.639] Samples = 2value = [0.0, 0.639] Samples = 2value = [0.0, 0.639] Samples = 2value = [0.0, 0.639] Samples = 2 $X[1815] \le 0.841$ entropy = 0.942 samples = 201 value = [47.973, 26.928] $X[581] \le 0.641$ entropy = 0.989 samples = 44 value = [6.706, 8.55] X[2391] <= 2.265entropy = 0.985 samples = 45 value = [9.351, 7.019] X[3773] <= -0.339entropy = 0.543 samples = 12 value = [4.479, 0.639] X[470] <= 4.741entropy = 0.766 samples = 29 value = [2.239, 7.796] $x_1 = 0.00$ value = [2.239, 7.796] $x_2 = 0.00$ X[2727] <= 3.205 entropy = 0.946 samples = 77 value = [9.745, 16.993] entropy = 0.0 samples = 12 value = [0.0, 3.963] x[3018] <= 0.653 entropy = 0.625 samples = 10 value = [3.457, 0.639] x[3227] <= -0.351 entropy = 0.0 samples = 2 value = [0.0, 0.639]X[2005] <= 0.956entropy = 0.732 samples = 11 value = [3.457, 0.893] X[840] <= -0.389entropy = 0.0 samples = 2 value = [0.0, 0.77] S[840] <= -0.389entropy = 0.0 samples = 1 value = [0.0, 0.254] S[840] <= -0.389entropy = 0.0 samples = 1 value = [0.0, 0.254] S[840] <= -0.389X[3445] <= 0.171entropy = 0.0 samples = 16 value = [0.0, 5.764] X[1614] <= -0.185entropy = 0.906 samples = 3 value = [0.812, 0.385] X[4422] <= -0.357 entropy = 0.36 samples = 9 value = [3.457, 0.254] entropy = -0.0 samples = 2 value = [0.0, 0.639] entropy = 0.0 samples = 1 value = [0.0, 0.385] entropy = 0.0 samples = 1 value = [0.0, 0.385]X[2913] <= 0.374entropy = 0.996 samples = 56 - [8.933, 10.336] X[1098] <= 5.336entropy = 0.576 samples = 7 value = [0.812, 5.118] X[4339] <= -0.309entropy = 0.961 samples = 7 value = [3.051, 0.0] X[4339] <= -0.309entropy = 0.961 samples = 2 value = [0.406, 0.254] $\begin{array}{c} X[201] <= 1.043 \\ \text{entropy} = 0.953 \\ \text{samples} = 19 \\ \text{value} = [4.269, 2.547] \end{array} \\ \begin{array}{c} X[666] <= -0.361 \\ \text{entropy} = 0.05 \\ \text{samples} = 19 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} X[1167] <= -0.325 \\ \text{entropy} = 0.05 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} X[1340] <= -0.139 \\ \text{entropy} = 0.05 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} X[1340] <= -0.325 \\ \text{entropy} = 0.05 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.00 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.00 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.00 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.00 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.00 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.00 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.00 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.00 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.00 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.00 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.00 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.00 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.00 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.00 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.00 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.00 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.00 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.00 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.00 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.00 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.00 \\ \text{samples} = 10 \\ \text{value} = [0.406, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.00 \\ \text{samples} = 10 \\$ $\begin{array}{c} \text{entropy} = 0.0 \\ \text{samples} = 11 \\ \text{value} = [0.0, \, 3.579] \end{array} \quad \begin{array}{c} \text{entropy} = 0.0 \\ \text{samples} = 4 \\ \text{value} = [0.0, \, 0.385] \end{array} \quad \begin{array}{c} \text{entropy} = 0.0 \\ \text{samples} = 4 \\ \text{value} = [0.0, \, 1.147] \end{array} \quad \begin{array}{c} \text{X}[4244] <= -0.449 \\ \text{entropy} = 0.99 \\ \text{samples} = 4 \\ \text{value} = [0.812, \, 0.639] \end{array} \quad \begin{array}{c} \text{X}[1646] <= 0.919 \\ \text{entropy} = 0.99 \\ \text{samples} = 45 \\ \text{value} = [8.736, \, 7.665] \end{array} \quad \begin{array}{c} \text{entropy} = 0.0 \\ \text{samples} = 3 \\ \text{value} = [1.218, \, 0.0] \end{array}$ X[3329] <= 1.079entropy = 0.566 samples = 28 value = [9.966, 1.532] X[1269] <= -0.392entropy = 0.0 samples = 2 value = [0.0, 0.77] X[4414] <= -0.317entropy = 0.706 samples = 19 value = [5.894, 1.401] X[2443] <= 0.481entropy = 0.03 samples = 6 value = [0.812, 1.539] S[0,0] $\begin{array}{c} \text{entropy} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [0.0, \, 0.639] \end{array} \\ \begin{array}{c} \text{entropy} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [0.0, \, 0.639] \end{array} \\ \begin{array}{c} \text{entropy} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [0.0, \, 0.639] \end{array} \\ \begin{array}{c} \text{value} = [0.0, \, 0.254] \end{array} \\ \begin{array}{c} \text{entropy} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [0.0, \, 0.254] \end{array} \\ \begin{array}{c} \text{va$ entropy = 0.0 samples = 2 value = [0.0, 0.639] value = [0.0, 0.639] value = [0.812, 0.0] value = [0.0, 0.639] value = [0.812, 0.0] value = [0.0, 0.639] value = [0.0, 0.639]X[3360] <= -0.128entropy = 0.513 samples = 17 value = [5.894, 0.762] X[4250] <= -0.285entropy = 0.0 samples = 2 value = [0.0, 0.639] X[4599] <= -0.359entropy = 0.0 samples = 3 value = [0.0, 1.154] X[4599] <= -0.359entropy = 0.0 samples = 3 value = [0.0, 1.154] X[4599] <= -0.359entropy = 0.0 samples = 3 value = [0.0, 1.154] $\begin{array}{c} \text{entropy} = 0.0 \\ \text{samples} = 12 \\ \text{value} = [0.0, \, 3.833] \end{array} \quad \begin{array}{c} \text{entropy} = 0.0 \\ \text{samples} = 3 \\ \text{value} = [0.0, \, 0.762] \end{array} \quad \begin{array}{c} \text{entropy} = -0.0 \\ \text{samples} = 3 \\ \text{value} = [1.218, \, 0.0] \end{array} \quad \begin{array}{c} \text{X}[2731] <= -0.094 \\ \text{entropy} = 0.0 \\ \text{samples} = 4 \\ \text{value} = [0.0, \, 1.278] \end{array} \quad \begin{array}{c} \text{X}[1628] <= -0.135 \\ \text{entropy} = 0.792 \\ \text{samples} = 3 \\ \text{value} = [0.812, \, 0.0] \end{array} \quad \begin{array}{c} \text{entropy} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [0.812, \, 0.0] \end{array} \quad \begin{array}{c} \text{entropy} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [0.812, \, 0.0] \end{array} \quad \begin{array}{c} \text{entropy} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [0.812, \, 0.0] \end{array}$ X[4538] <= -0.295 entropy = 0.985 samples = 11 value = [1.624, 2.17] entropy = -0.0 samples = 3 value = [1.218, 0.0] entropy = 0.0 samples = 1 value = [0.0, 0.254] entropy = 0.0 samples = 3 value = [0.0, 0.254] $\begin{array}{c} X[739] <= 0.158 \\ \text{entropy} = 0.874 \\ \text{samples} = 58 \\ \text{value} = [15.651, 6.511] \end{array} \begin{array}{c} X[3359] <= 0.314 \\ \text{entropy} = 0.659 \\ \text{samples} = 16 \\ \text{value} = [0.0, 0.77] \end{array} \begin{array}{c} X[3359] <= 0.314 \\ \text{entropy} = 0.659 \\ \text{samples} = 16 \\ \text{value} = [2.03, 1.785] \end{array} \begin{array}{c} X[2216] <= -0.43 \\ \text{entropy} = 0.0 \\ \text{samples} = 31 \\ \text{value} = [5.278, 5.356] \end{array} \begin{array}{c} \text{entropy} = 0.0 \\ \text{samples} = 4 \\ \text{value} = [0.0, 1.278] \end{array}$ entropy = 0.0samples = 1value = [0.0, 0.385]entropy = 0.0samples = 0.0value = 0.0, 0.385entropy = 0.0samples = 0.0, 0.385entropy = 0.0samples = 0.0, 0.385value = 0.0, 0.385 $\begin{array}{c} X[3186] <= 1.316 \\ \text{entropy} = 0.845 \\ \text{samples} = 56 \\ \text{value} = [15.651, 5.872] \end{array} \\ \begin{array}{c} \text{entropy} = -0.0 \\ \text{samples} = 2 \\ \text{value} = [0.0, 0.639] \end{array} \\ \begin{array}{c} \text{entropy} = 0.0 \\ \text{samples} = 13 \\ \text{value} = [0.0, 3.694] \end{array} \\ \begin{array}{c} \text{montpop} = 0.0 \\ \text{samples} = 3 \\ \text{value} = [0.0, 0.893] \end{array} \\ \begin{array}{c} \text{montpop} = 0.04 \\ \text{samples} = 3 \\ \text{value} = [0.0, 0.893] \end{array} \\ \begin{array}{c} \text{montpop} = 0.04 \\ \text{samples} = 3 \\ \text{value} = [0.0, 0.893] \end{array} \\ \begin{array}{c} \text{montpop} = 0.04 \\ \text{samples} = 3 \\ \text{value} = [0.0, 0.893] \end{array} \\ \begin{array}{c} \text{montpop} = 0.04 \\ \text{samples} = 3 \\ \text{value} = [0.0, 0.893] \end{array} \\ \begin{array}{c} \text{montpop} = 0.04 \\ \text{samples} = 3 \\ \text{value} = [0.0, 0.893] \end{array} \\ \begin{array}{c} \text{montpop} = 0.04 \\ \text{samples} = 3 \\ \text{value} = [0.0, 0.893] \end{array} \\ \begin{array}{c} \text{montpop} = 0.04 \\ \text{samples} = 3 \\ \text{value} = [0.0, 0.893] \end{array} \\ \begin{array}{c} \text{montpop} = 0.04 \\ \text{samples} = 3 \\ \text{value} = [0.0, 0.893] \end{array} \\ \begin{array}{c} \text{montpop} = 0.04 \\ \text{samples} = 3 \\ \text{value} = [0.0, 0.893] \end{array} \\ \begin{array}{c} \text{montpop} = 0.04 \\ \text{samples} = 3 \\ \text{value} = [0.0, 0.893] \end{array} \\ \begin{array}{c} \text{montpop} = 0.04 \\ \text{samples} = 3 \\ \text{value} = [0.0, 0.893] \end{array} \\ \begin{array}{c} \text{montpop} = 0.04 \\ \text{samples} = 3 \\ \text{value} = [0.0, 0.893] \end{array} \\ \begin{array}{c} \text{montpop} = 0.04 \\ \text{montpop} = 0.04 \\ \text{montpop} = 0.088 \\ \text{montpop} = 0.04 \\ \text{montpop} = 0.088 \\ \text{montpop} = 0.088 \\ \text{montpop} = 0.04 \\ \text{montpop} = 0.088 \\ \text{montpop} = 0.088 \\ \text{montpop} = 0.04 \\ \text{montpop}$ $\begin{array}{c} X[2436] <= 0.088 \\ \text{entropy} = 0.906 \\ \text{samples} = 48 \\ \text{value} = [12.402, 5.872] \end{array} \\ \begin{array}{c} \text{entropy} = 0.088 \\ \text{samples} = 8 \\ \text{value} = [3.248, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.0 \\ \text{samples} = 2 \\ \text{value} = [0.812, 0.0] \end{array} \\ \begin{array}{c} \text{entropy} = -0.0 \\ \text{samples} = 2 \\ \text{value} = [0.0, 0.254] \end{array} \\ \begin{array}{c} X[635] <= -0.295 \\ \text{entropy} = 0.503 \\ \text{samples} = 2 \\ \text{value} = [0.0, 0.639] \end{array} \\ \begin{array}{c} X[373] <= 0.74 \\ \text{entropy} = 0.968 \\ \text{samples} = 2 \\ \text{value} = [0.0, 0.639] \end{array} \\ \begin{array}{c} X[3841] <= -0.255 \\ \text{entropy} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [0.0, 0.639] \end{array} \\ \begin{array}{c} X[3841] <= -0.255 \\ \text{entropy} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [0.0, 0.639] \end{array} \\ \begin{array}{c} X[373] <= 0.74 \\ \text{entropy} = 0.068 \\ \text{samples} = 2 \\ \text{value} = [0.0, 0.639] \end{array} \\ \begin{array}{c} X[3841] <= -0.255 \\ \text{entropy} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [0.0, 0.639] \end{array} \\ \begin{array}{c} X[3841] <= -0.255 \\ \text{entropy} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [0.0, 0.639] \end{array}$

> $X[3219] \le 0.704$ entropy = 0.375 samples = 9 value = [3.248, 0.254] entropy = 0.0 samples = 1 value = [0.0, 0.254]