```
X[211207] \le 0.02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            X[211207] \le 0.018
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               gini = 0.321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gini = 0.495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  samples = 8359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               samples = 1441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            value = [289, 1152]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                value = [4609, 3750]
                                                                                                                                                                                                                                                                                                                                                                                                                              X[27087] \le 0.006
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 X[233932] \le 0.035
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            X[152486] \le 0.063
                                                                                                                                                                                                                                                                                                                                                                                                                               gini = 0.487
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gini = 0.453
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gini = 0.204
                                                                                                                                                                                                                                                                                                                                                                                                                               samples = 3642
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               samples = 755
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   samples = 4717
                                                                                                                                                                                                                                                                                                                                                                                                                                                               value = [3078, 1639]
                                                                                                                                                                                                                                                                                                                                                                                                                             value = [1531, 2111]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              value = [87, 668]
                                                                                                                                                                                                                                                                                                                                                                                                                                                     X[27087] \le 0.013
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    X[35205] \le 0.123
                                                                                                                                                                                                                                                                                                                                                                                                      X[183009] \le 0.043
                                                                                                                                                                                                                                                                                                                                                                                                                                gini = 0.238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gini = 0.201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             gini = 0.375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gini = 0.188
                                                                                                                                                                                                                                                                                                                                                                                                       gini = 0.495
                                                                                                                                                                                                                                                                                                                                                                                                                                                       gini = 0.445
                                                                                                                                                                                                                                                                                                                                                                                                                               samples = 362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               samples = 115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             samples = 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                      samples = 4602
                                                                                                                                                                                                                                                                                                                                                                                                       samples = 3280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      samples = 743
                                                                                                                                                                                                                                                                                                                                                                                                                              value = [50, 312]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             value = [13, 102]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             value = [9, 3]
                                                                                                                                                                                                                                                                                                                                                                                                     value = [1481, 1799]
                                                                                                                                                                                                                                                                                                                                                                                                                                                    value = [3065, 1537]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     value = [78, 665]
                                                                                                                                                                                                                                                                                                                                                                                   X[81755] \le 0.028
                                                                                                                                                                                                                                                                                                                                                                                                                                  X[81755] \le 0.033
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         X[211207] \le 0.09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              X[338496] \le 0.057
                                                                                                                                                                                                                                                                                                                                                                                                             gini = 0.273
                                                                                                                                                                                                                                                                                                                                                                                                                                                              gini = 0.479
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         gini = 0.0
                                                                                                                                                                                                                                                                                                                                                                                                                                     gini = 0.429
                                                                                                                                                                                                                                                                                                                                                                                     gini = 0.499
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 gini = 0.176
                                                                                                                                                                                                                                                                                                                                                                                                             samples = 307
                                                                                                                                                                                                                                                                                                                                                                                                                                                             samples = 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        samples = 6
                                                                                                                                                                                                                                                                                                                                                                                    samples = 2973
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                samples = 737
                                                                                                                                                                                                                                                                                                                                                                                                                                    samples = 4242
                                                                                                                                                                                                                                                                                                                                                                                                            value = [50, 257]
                                                                                                                                                                                                                                                                                                                                                                                                                                                            value = [143, 217]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       value = [6, 0]
                                                                                                                                                                                                                                                                                                                                                                                                                                  value = [2922, 1320]
                                                                                                                                                                                                                                                                                                                                                                                  value = [1431, 1542]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                value = [72, 665]
                                                                                                                                                                                                                                                                                                                                                                             X[135448] \le 0.057
                                                                                                                                                                                                                                                                                                                                                                                                                             X[95247] \le 0.032
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              X[154255] \le 0.061
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          X[191860] \le 0.011
                                                                                                                                                                                                                                                                                                                                                                                                         gini = 0.23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gini = 0.346
                                                                                                                                                                                                                                                                                                                                                                                                                                                        gini = 0.409
                                                                                                                                                                                                                                                                                                                                                                                                                                gini = 0.417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gini = 0.371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gini = 0.163
                                                                                                                                                                                                                                                                                                                                                                                 gini = 0.5
                                                                                                                                                                                                                                                                                                                                                                                                        samples = 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                       samples = 150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       samples = 9
                                                                                                                                                                                                                                                                                                                                                                              samples = 2792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               samples = 728
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           samples = 627
                                                                                                                                                                                                                                                                                                                                                                                                                               samples = 4092
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     value = [7, 2]
                                                                                                                                                                                                                                                                                                                                                                                                      value = [24, 157]
                                                                                                                                                                                                                                                                                                                                                                                                                                                       value = [43, 107]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               value = [65, 663]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          value = [154, 473]
                                                                                                                                                                                                                                                                                                                                                                             value = [1407, 1385]
                                                                                                                                                                                                                                                                                                                                                                                                                              value = [2879, 1213]
                                                                                                                                                                                                                                                                                                                                                                                                                 X[135448] \le 0.017
                                                                                                                                                                                                                                                                                                                                                      X[87027] \le 0.037
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              X[45141] \le 0.053
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         X[349065] \le 0.052
                                                                                                                                                                                                                                                                                                                                                                                                                                             gini = 0.375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gini = 0.375
                                                                                                                                                                                                                                                                                                                                                        gini = 0.498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gini = 0.355
                                                                                                                                                                                                                                                                                                                                                                                                                    gini = 0.406
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 gini = 0.15
                                                                                                                                                                                                                                                                                                                                                                                                                                           samples = 112
                                                                                                                                                                                                                                                                                                                                                                                samples = 218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      samples = 8
                                                                                                                                                                                                                                                                                                                                                       samples = 2574
                                                                                                                                                                                                                                                                                                                                                                                                                   samples = 3980
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            samples = 607
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               samples = 720
                                                                                                                                                                                                                                                                                                                                                                                                                                          value = [28, 84]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     value = [6, 2]
                                                                                                                                                                                                                                                                                                                                                                               value = [44, 174]
                                                                                                                                                                                                                                                                                                                                                                                                                 value = [2851, 1129]
                                                                                                                                                                                                                                                                                                                                                     value = [1363, 1211]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               value = [59, 661]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          value = [140, 467]
                                                                                                                                                                                                                                                                                                                                                     X[19704] \le 0.04
                                                                                                                                                                                                                                                                                                                                                                                                                             X[212251] \le 0.029
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            X[256111] <= 0.057
                                                                                                                                                                                                                                                                                                                                                                                                     X[148931] \le 0.02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         X[231916] \le 0.074
                                                                                                                                                                                                                                                                                                                                                                                gini = 0.168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gini = 0.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           gini = 0.345
                                                                                                                                                                                                                                                                                                                                                                                                       gini = 0.365
                                                                                                                                                                                                                                                                                                                                                                                                                                gini = 0.482
                                                                                                                                                                                                                                                                                                                                                         gini = 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gini = 0.142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       samples = 4
                                                                                                                                                                                                                                                                                                                                                                                samples = 119
                                                                                                                                                                                                                                                                                                                                                      samples = 2455
                                                                                                                                                                                                                                                                                                                                                                                                      samples = 2942
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            samples = 599
                                                                                                                                                                                                                                                                                                                                                                                                                               samples = 1038
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               samples = 716
                                                                                                                                                                                                                                                                                                                                                                              value = [108, 11]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      value = [4, 0]
                                                                                                                                                                                                                                                                                                                                                     value = [1255, 1200]
                                                                                                                                                                                                                                                                                                                                                                                                      value = [2234, 708]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              value = [55, 661]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          value = [133, 466]
                                                                                                                                                                                                                                                                                                                                                                                                                               value = [617, 421]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       X[358776] \leftarrow 0.014
                                                                                                                                                                                                                                                                                                                                                                            | X[111376] <= 0.029 |
                                                                                                                                                                                                                                                                                                                               X[105271] \le 0.039
                                                                                                                                                                                                                                                                                                                                                                                                                            |X[349065] \le 0.015
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |X[311640] \le 0.133
                                                                                                                                                                                                                                                                                                                                                        gini = 0.167
                                                                                                                                                                                                                                                                                                                                                                                                       gini = 0.375
                                                                                                                                                                                                                                                                                                                                                                                                                                                       gini = 0.219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       gini = 0.0
                                                                                                                                                                                                                                                                                                                                                                               gini = 0.354
                                                                                                                                                                                                                                                                                                                                                                                                                                                      samples = 192
value = [168, 24]
                                                                                                                                                                                                                                                                                                                                                       samples = 98
value = [89, 9]
                                                                                                                                                                                                                                                                                                                                                                                                        samples = 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     samples = 3value = [3, 0]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              samples = 713
                                                                                                                                                                                                                                                                                                                                samples = 2357
                                                                                                                                                                                                                                                                                                                                                                             samples = 2882
value = [2219, 663]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           samples = 594
                                                                                                                                                                                                                                                                                                                                                                                                                              samples = 846
value = [449, 397]
                                                                                                                                                                                                                                                                                                                                                                                                      value = [15, 45]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         value = [128, 466]
                                                                                                                                                                                                                                                                                                                              value = [1166, 1191]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              value = [52, 661]
                                                                                                                                                                                                                                                                                                                                                                  X[211207] \le 0.059
                                                                                                                                                                                                                                                                                                                                                                                                                          X[208265] \le 0.042
                                                                                                                                                                                                                                                                                                         X[184419] \le 0.048
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          X[18488] \le 0.035
                                                                                                                                                                                                                                                                                                                                                                                                                                                    gini = 0.053
                                                                                                                                                                                                                                                                                                                                                                                              gini = 0.476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gini = 0.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         gini = 0.291
                                                                                                                                                                                                                                                                                                                                                                     gini = 0.34
                                                                                                                                                                                                                                                                                                                                                                                                                             gini = 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gini = 0.129
                                                                                                                                                                                                                                                                                                             gini = 0.5
                                                                                                                                                                                                                                                                                                                                   samples = 82
                                                                                                                                                                                                                                                                                                                                                                                              samples = 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  samples = 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                    samples = 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         samples = 459
                                                                                                                                                                                                                                                                                                          samples = 2275
                                                                                                                                                                                                                                                                                                                                                                  samples = 2787
value = [2182, 605]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           samples = 710
value = [49, 661]
                                                                                                                                                                                                                                                                                                                                                                                                                             samples = 809
                                                                                                                                                                                                                                                                                                                                                                                            value = [37, 58]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        value = [81, 378]
                                                                                                                                                                                                                                                                                                                                  value = [6, 76]
                                                                                                                                                                                                                                                                                                                                                                                                                                                   value = [36, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 value = [3, 0]
                                                                                                                                                                                                                                                                                                        value = [1160, 1115]
                                                                                                                                                                                                                                                                                                                                                                                                                            value = [413, 396]
                                                                                                                                                                                                                                                                                                                                             X[317522] \le 0.04
                                                                                                                                                                                                                                                                                                                                                                                                                         X[212001] \le 0.012
                                                                                                                                                                                                                                                                                     X[148931] \le 0.01
                                                                                                                                                                                                                                                                                                                                                                       X[96398] \le 0.061
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        X[129896] \le 0.097
                                                                                                                                                                                                                                                                                                                                                                                                                                                   gini = 0.231
                                                                                                                                                                                                                                                                                                                gini = 0.207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  gini = 0.0
                                                                                                                                                                                                                                                                                                                                                gini = 0.375
                                                                                                                                                                                                                                                                                                                                                                         gini = 0.201
                                                                                                                                                                                                                                                                                                                                                                                                                            gini = 0.498
samples = 764
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gini = 0.122
                                                                                                                                                                                                                                                                                        gini = 0.499
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 samples = 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                    samples = 45
                                                                                                                                                                                                                                                                                                                samples = 94
                                                                                                                                                                                                                                                                                      samples = 2181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         samples = 707
value = [46, 661]
                                                                                                                                                                                                                                                                                                                                                samples = 2117
                                                                                                                                                                                                                                                                                                                                                                         samples = 670
                                                                                                                                                                                                                                                                                                             value = [11, 83]
                                                                                                                                                                                                                                                                                                                                                                                                                                                  value = [6, 39]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                value = [3, 0]
                                                                                                                                                                                                                                                                                                                                                                                                                           value = [407, 357]
                                                                                                                                                                                                                                                                                                                                             value = [1588, 529]
                                                                                                                                                                                                                                                                                    value = [1149, 1032]
                                                                                                                                                                                                                                                                                                                                                                       value = [594, 76]
                                                                                                                                                                                                                                                                          X[95247] \le 0.036
                                                                                                                                                                                                                                                                                                                                                                                                                         X[213620] \le 0.035
                                                                                                                                                                                                                                                                                                                                                                      X[208265] \le 0.083
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        X[55162] \le 0.044
                                                                                                                                                                                                                                                                                                                        X[184419] \le 0.011
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               gini = 0.375
                                                                                                                                                                                                                                                                                                   gini = 0.078
                                                                                                                                                                                                                                                                                                                                                 gini = 0.427
                                                                                                                                                                                                                                                                                                                                                                                              gini = 0.459
                                                                                                                                                                                                                                                                                                                                                                                                                                                   gini = 0.149
                                                                                                                                                                                                                                                                          gini = 0.497
samples = 2132
value = [1147, 985]
                                                                                                                                                                                                                                                                                                                         gini = 0.366
                                                                                                                                                                                                                                                                                                                                                                       gini = 0.183
samples = 656
value = [589, 67]
                                                                                                                                                                                                                                                                                                                                                                                                                              gini = 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gini = 0.115
                                                                                                                                                                                                                                                                                                  samples = 49
value = [2, 47]
                                                                                                                                                                                                                                                                                                                                                                                                                                                  samples = 37
value = [34, 3]
                                                                                                                                                                                                                                                                                                                                                                                              samples = 14
value = [5, 9]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                samples = 4
                                                                                                                                                                                                                                                                                                                                                 samples = 42
                                                                                                                                                                                                                                                                                                                       samples = 2075
                                                                                                                                                                                                                                                                                                                                                                                                                           samples = 727
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         samples = 703
value = [43, 660]
                                                                                                                                                                                                                                                                                                                                                value = [13, 29]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                value = [3, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                          value = [373, 354]
                                                                                                                                                                                                                                                                                                                        value = [1575, 500]
                                                                                                                                                                                                                                                              X[233932] \le 0.059
                                                                                                                                                                                                                                                                                                                X[105271] \le 0.054
                                                                                                                                                                                                                                                                                                                                                                     X[48753] \le 0.146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  X[171912] \le 0.063
                                                                                                                                                                                                                                                                                                                                                                                                                 X[211502] \le 0.052
                                                                                                                                                                                                                                                                                                                                            gini = 0.482
                                                                                                                                                                                                                                                                                                                                                                                                                                            gini = 0.311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gini = 0.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    gini = 0.11
                                                                                                                                                                                                                                                                gini = 0.495
                                                                                                                                                                                                                                                                                                                                                                       gini = 0.175
                                                                                                                                                                                                                                                                                                                    gini = 0.354
                                                                                                                                                                                                                                                                                                                                                                                                                     gini = 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            samples = 2
                                                                                                                                                                                                                                                                                                                                                                                              samples = 5
                                                                                                                                                                                                                                                                                        samples = 61
                                                                                                                                                                                                                                                                                                                                            samples = 64
                                                                                                                                                                                                                                                                                                                                                                                                                                           samples = 52
                                                                                                                                                                                                                                                               samples = 2071
                                                                                                                                                                                                                                                                                                                 samples = 2011
value = [1549, 462]
                                                                                                                                                                                                                                                                                                                                                                                                                samples = 675
value = [331, 344]
                                                                                                                                                                                                                                                                                                                                                                        samples = 651
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    samples = 701
                                                                                                                                                                                                                                                                                                                                          value = [26, 38]
                                                                                                                                                                                                                                                                                                                                                                                                                                         value = [42, 10]
                                                                                                                                                                                                                                                                                                                                                                                              value = [1, 4]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          value = [2, 0]
                                                                                                                                                                                                                                                                                       value = [8, 53]
                                                                                                                                                                                                                                                              value = [1139, 932]
                                                                                                                                                                                                                                                                                                                                                                      value = [588, 63]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   value = [41, 660]
                                                                                                                                                                                                                                                                                                                                                                                                       X[223250] \le 0.031
                                                                                                                                                                                                                                                         X[144476] \le 0.047
                                                                                                                                                                                                                                                                                                      X[304796] \le 0.034
                                                                                                                                                                                                                                                                                                                                                         X[217459] \le 0.056
                                                                                                                                                                                                                                                                                                                                                                                                                                                         X[34689] \le 0.058
                                                                                                                                                                                                                                                                                                                                gini = 0.375
                                                                                                                                                                                                                                                                                    gini = 0.159
                                                                                                                                                                                                                                                                                                                                                                                  gini = 0.32
                                                                                                                                                                                                                                                                                                                                                                                                                                 gini = 0.091
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  gini = 0.0
                                                                                                                                                                                                                                                           gini = 0.493
                                                                                                                                                                                                                                                                                                         gini = 0.346
                                                                                                                                                                                                                                                                                                                                                                                                          gini = 0.499
                                                                                                                                                                                                                                                                                                                                                                                                                                                           gini = 0.105
                                                                                                                                                                                                                                                                                                                                                           gini = 0.166
                                                                                                                                                                                                                                                                                                                                samples = 28
                                                                                                                                                                                                                                                                                   samples = 46
                                                                                                                                                                                                                                                                                                                                                                                  samples = 5
                                                                                                                                                                                                                                                                                                                                                                                                                                  samples = 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 samples = 2
                                                                                                                                                                                                                                                                                                      samples = 1983
value = [1542, 441]
                                                                                                                                                                                                                                                          samples = 2025
                                                                                                                                                                                                                                                                                                                                                         samples = 646
value = [587, 59]
                                                                                                                                                                                                                                                                                                                                                                                                          samples = 654
                                                                                                                                                                                                                                                                                                                                                                                                                                                           samples = 699
                                                                                                                                                                                                                                                                                  value = [4, 42]
                                                                                                                                                                                                                                                                                                                               value = [7, 21]
                                                                                                                                                                                                                                                                                                                                                                                                                                value = [20, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 value = [2, 0]
                                                                                                                                                                                                                                                                                                                                                                                 value = [1, 4]
                                                                                                                                                                                                                                                         value = [1135, 890]
                                                                                                                                                                                                                                                                                                                                                                                                        value = [311, 343]
                                                                                                                                                                                                                                                                                                                                                                                                                                                          value = [39, 660]
                                                                                                                                                                                                                                                                                                                                                    X[183009] \le 0.045
                                                                                                                                                                                                                                                     X[317522] \le 0.015
                                                                                                                                                                                                                                                                                                                                                                                                 X[29643] \le 0.025
                                                                                                                                                                                                                                                                                                                                                                                                                                                   X[349355] \le 0.109
                                                                                                                                                                                                                                                                                                      X[183009] \le 0.07
                                                                                                                                                                                                                                                                                gini = 0.271
                                                                                                                                                                                                                                                                                                                               gini = 0.487
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gini = 0.0
                                                                                                                                                                                                                                                                                                                                                                              gini = 0.0
                                                                                                                                                                                                                                                                                                                                                                                                                           gini = 0.36
                                                                                                                                                                                                                                                      gini = 0.489
samples = 1963
                                                                                                                                                                                                                                                                                                        gini = 0.334
                                                                                                                                                                                                                                                                                                                                                       gini = 0.159
                                                                                                                                                                                                                                                                                                                                                                                                  gini = 0.495
                                                                                                                                                                                                                                                                                                                                                                                                                                                     gini = 0.101
                                                                                                                                                                                                                                                                                                                                                                             samples = 3 value = [0, 3]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            samples = 2
                                                                                                                                                                                                                                                                                samples = 62
                                                                                                                                                                                                                                                                                                                               samples = 55
                                                                                                                                                                                                                                                                                                                                                                                                                          samples = 51
                                                                                                                                                                                                                                                                                                      samples = 1928
                                                                                                                                                                                                                                                                                                                                                                                                 samples = 603
                                                                                                                                                                                                                                                                                                                                                     samples = 643
value = [587, 56]
                                                                                                                                                                                                                                                                                                                                                                                                                                                    samples = 697
                                                                                                                                                                                                                                                                               value = [10, 52]
                                                                                                                                                                                                                                                                                                                              value = [23, 32]
                                                                                                                                                                                                                                                                                                                                                                                                                        value = [39, 12]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           value = [2, 0]
                                                                                                                                                                                                                                                                                                                                                                                                                                                   value = [37, 660]
                                                                                                                                                                                                                                                       value = [1125, 838]
                                                                                                                                                                                                                                                                                                      value = [1519, 409]
                                                                                                                                                                                                                                                                                                                                                                                                 value = [272, 331]
                                                                                                                                                                                                                                                                                        X[291358] <= 0.036
                                                                                                                                                                                                                                      X[111376] \le 0.009
                                                                                                                                                                                                                                                                                                                                                                                       X[135448] \le 0.046
                                                                                                                                                                                                                                                                                                                                                                                                                                               X[140005] \le 0.033
                                                                                                                                                                                                                                                                                                                                          X[355989] \le 0.11
                                                                                                                                                                                                                                                                                                                                                                  gini = 0.457
                                                                                                                                                                                                                                                                                                                                                                                                                 gini = 0.273
                                                                                                                                                                                                                                                                  gini = 0.305
                                                                                                                                                                                                                                                                                                                     gini = 0.49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gini = 0.0
                                                                                                                                                                                                                                                                                                                                                                                          gini = 0.499
                                                                                                                                                                                                                                         gini = 0.485
                                                                                                                                                                                                                                                                                                                                            gini = 0.134
                                                                                                                                                                                                                                                                                            gini = 0.325
                                                                                                                                                                                                                                                                                                                                                                                                                                                   gini = 0.096
                                                                                                                                                                                                                                                                 samples = 64
                                                                                                                                                                                                                                                                                                                    samples = 42
                                                                                                                                                                                                                                                                                                                                                                  samples = 34
                                                                                                                                                                                                                                                                                                                                                                                                                  samples = 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         samples = 2
                                                                                                                                                                                                                                                                                                                                                                                        samples = 560
value = [265, 295]
                                                                                                                                                                                                                                                                                                                                          samples = 609
value = [565, 44]
                                                                                                                                                                                                                                                                                            samples = 1886
                                                                                                                                                                                                                                         samples = 1899
                                                                                                                                                                                                                                                                                                                                                                                                                                                 samples = 695
value = [35, 660]
                                                                                                                                                                                                                                                                value = [12, 52]
                                                                                                                                                                                                                                                                                                                 value = [18, 24]
                                                                                                                                                                                                                                                                                                                                                                 value = [22, 12]
                                                                                                                                                                                                                                                                                                                                                                                                                 value = [7, 36]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        value = [2, 0]
                                                                                                                                                                                                                                       value = [1113, 786]
                                                                                                                                                                                                                                                                                         value = [1501, 385]
                                                                                                                                                                                                                                       X[356612] \le 0.06
                                                                                                                                                                                                                                                                                                                                   X[278756] \le 0.033
                                                                                                                                                                                                                                                                                                                                                                                                                                          X[358202] \le 0.041
                                                                                                                                                                                                                                                                                       X[114414] \le 0.055
                                                                                                                                                                                                                                                                gini = 0.394
                                                                                                                                                                                                                                                                                                                                                              gini = 0.0
                                                                                                                                                                                                                                                                                                                                                                                                              gini = 0.467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    gini = 0.0
                                                                                                                                                                                                                                                                                                                 gini = 0.434
                                                                                                                                                                                                                                                                                                                                                                                         gini = 0.495
                                                                                                                                                                                                                                         gini = 0.479
                                                                                                                                                                                                                                                                                          gini = 0.318
                                                                                                                                                                                                                                                                                                                                                                                                                                             gini = 0.091
                                                                                                                                                                                                                                                                                                                                       gini = 0.126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    samples = 2
                                                                                                                                                                                                                                                                                                                                                                                       samples = 320
                                                                                                                                                                                                                                                                                                                                                                                                              samples = 240
                                                                                                                                                                                                                                                                                                                samples = 22
                                                                                                                                                                                                                                                                                                                                                             samples = 3
                                                                                                                                                                                                                                                                 samples = 89
                                                                                                                                                                                                                                                                                        samples = 1864
                                                                                                                                                                                                                                        samples = 1810
                                                                                                                                                                                                                                                                                                                                       samples = 606
                                                                                                                                                                                                                                                                                                                                                                                                                                             samples = 693
                                                                                                                                                                                                                                                                                                               value = [7, 15]
                                                                                                                                                                                                                                                                                                                                                                                      value = [176, 144]
                                                                                                                                                                                                                                                               value = [24, 65]
                                                                                                                                                                                                                                                                                                                                                                                                            value = [89, 151]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   value = [2, 0]
                                                                                                                                                                                                                                                                                                                                                             value = [0, 3]
                                                                                                                                                                                                                                                                                       value = [1494, 370]
                                                                                                                                                                                                                                      value = [1089, 721]
                                                                                                                                                                                                                                                                                                                                      value = [565, 41]
                                                                                                                                                                                                                                                                                                                                                                                                                                           value = [33, 660]
                                                                                                                                                                                                                                                                                                                                                                                                                       X[358353] \le 0.047
                                                                                                                                                                                                                                       X[9288] \le 0.064
                                                                                                                                                                                                                                                                                   X[208265] \le 0.023
                                                                                                                                                                                                                                                                                                                                   X[46813] \le 0.056
                                                                                                                                                                                                                                                                                                                                                                                                                                                gini = 0.0
samples = 2
value = [2, 0]
                                                                                                                                                                                                                                                                gini = 0.25
                                                                                                                                                                                                                                      gini = 0.475
samples = 1769
value = [1083, 686]
                                                                                                                                                                                                                                                                                                               gini = 0.5
                                                                                                                                                                                                                                                                                                                                                            gini = 0.0
                                                                                                                                                                                                                                                                                                                                                                                                                         gini = 0.086
                                                                                                                                                                                                                                                                                      gini = 0.307
                                                                                                                                                                                                                                                                                                              samples = 55
                                                                                                                                                                                                                                                                                                                                                           samples = 2
                                                                                                                                                                                                                                                                                                                                                                                                                        samples = 691
value = [31, 660]
                                                                                                                                                                                                                                                                                   samples = 1809
value = [1466, 343]
                                                                                                                                                                                                                                                                                                                                   samples = 604
value = [565, 39]
                                                                                                                                                                                                                                                              value = [6, 35]
                                                                                                                                                                                                                                                                                                            value = [28, 27]
                                                                                                                                                                                                                                                                                                                                                          value = [0, 2]
                                                                                                                                                                                                                                     X[208265] \le 0.032
                                                                                                                                                                                                                                                                                  X[201282] \le 0.047
                                                                                                                                                                                                                                                                                                                                 X[303377] \le 0.031
                                                                                                                                                                                                                                                                                                                                                                                                        X[174878] \le 0.096
                                                                                                                                                                                                                                                                                                             gini = 0.491
                                                                                                                                                                                                                                                                                                                                                                                                                                  gini = 0.0
                                                                                                                                                                                                                                                                                                                                                           gini = 0.0
                                                                                                                                                                                                                                        gini = 0.472
                                                                                                                                                                                                                                                                                                                                    gini = 0.115
                                                                                                                                                                                                                                                                                                                                                                                                           gini = 0.081
                                                                                                                                                                                                                                                                                     gini = 0.294
                                                                                                                                                                                                                                                                                                                                                                                                                                samples = 2 value = [2, 0]
                                                                                                                                                                                                                                                             samples = 19
value = [0, 19]
                                                                                                                                                                                                                                                                                                             samples = 76
                                                                                                                                                                                                                                                                                                                                                           samples = 2
                                                                                                                                                                                                                                    samples = 1750
value = [1083, 667]
                                                                                                                                                                                                                                                                                   samples = 1733
value = [1423, 310]
                                                                                                                                                                                                                                                                                                                                                                                                          samples = 689
value = [29, 660]
                                                                                                                                                                                                                                                                                                                                  samples = 602
value = [565, 37]
                                                                                                                                                                                                                                                                                                            value = [43, 33]
                                                                                                                                                                                                                                                                                                                                                         value = [0, 2]
                                                                                                                                                                                                                                                                              X[164532] \le 0.045
                                                                                                                                                                                                                                                                                                                                X[242403] \le 0.074
                                                                                                                                                                                                                                                                                                                                                                                    X[245836] \le 0.07
                                                                                                                                                                                                                               X[209100] \le 0.043
                                                                                                                                                                                                                                                                                                                                                                                                            gini = 0.0
                                                                                                                                                                                                                                                        gini = 0.424
                                                                                                                                                                                                                                                                                                        gini = 0.43
                                                                                                                                                                                                                                                                                                                                                           gini = 0.0
                                                                                                                                                                                                                                                                               gini = 0.288
samples = 1717
                                                                                                                                                                                                                                 gini = 0.465
                                                                                                                                                                                                                                                                                                                                    gini = 0.11
                                                                                                                                                                                                                                                                                                                                                                                      gini = 0.076
                                                                                                                                                                                                                                                                                                      samples = 16
                                                                                                                                                                                                                                                                                                                                                                                                            samples = 2
                                                                                                                                                                                                                                                                                                                                                          samples = 2
                                                                                                                                                                                                                                samples = 1678
                                                                                                                                                                                                                                                                                                                                  samples = 600
value = [565, 35]
                                                                                                                                                                                                                                                                                                                                                                                     samples = 687
value = [27, 660]
                                                                                                                                                                                                                                                       value = [22, 50]
                                                                                                                                                                                                                                                                                                                                                                                                           value = [2, 0]
                                                                                                                                                                                                                                                                                                                                                         value = [0, 2]
                                                                                                                                                                                                                                                                                                       value = [5, 11]
                                                                                                                                                                                                                                                                              value = [1418, 299]
                                                                                                                                                                                                                               value = [1061, 617]
                                                                                                                                                                                                                                                                        X[357935] \le 0.017
                                                                                                                                                                                                                                                                                                                          X[174137] \le 0.058
                                                                                                                                                                                                                  X[352350] \le 0.042
                                                                                                                                                                                                                                                                                                                                                                          X[259983] \le 0.101
                                                                                                                                                                                                                                            gini = 0.298
                                                                                                                                                                                                                                                                                                    gini = 0.5
                                                                                                                                                                                                                                                                                                                                                                                                  gini = 0.444
                                                                                                                                                                                                                                                                                                                                                     gini = 0.0
                                                                                                                                                                                                                    gini = 0.475
                                                                                                                                                                                                                                                                                                                              gini = 0.104
                                                                                                                                                                                                                                                                            gini = 0.278
                                                                                                                                                                                                                                                                                                                                                                             gini = 0.07
                                                                                                                                                                                                                                                                                                                                                   samples = 2 value = [0, 2]
                                                                                                                                                                                                                                                                                                                                                                                                 samples = 3
value = [2, 1]
                                                                                                                                                                                                                                           samples = 165
                                                                                                                                                                                                                                                                                                   samples = 41
                                                                                                                                                                                                                   samples = 1513
                                                                                                                                                                                                                                                                          samples = 1676
                                                                                                                                                                                                                                                                                                                                                                          samples = 684
value = [25, 659]
                                                                                                                                                                                                                                                                                                                            samples = 598
value = [565, 33]
                                                                                                                                                                                                                                          value = [135, 30]
                                                                                                                                                                                                                                                                                                 value = [21, 20]
                                                                                                                                                                                                                  value = [926, 587]
                                                                                                                                                                                                                                                                         value = [1397, 279]
                                                                                                                                                                                                                  X[94923] \le 0.067
                                                                                                                                                                                                                                                                X[47944] \le 0.078
                                                                                                                                                                                                                                                                                                            X[74429] \le 0.014
                                                                                                                                                                                                                                                                                                                                                       X[141558] \le 0.077
                                                                                                                                                                                                                                          gini = 0.431
                                                                                                                                                                                                                                                                                          gini = 0.0
                                                                                                                                                                                                                                                                                                                                    gini = 0.494
                                                                                                                                                                                                                                                                                                                                                                                gini = 0.444
                                                                                                                                                                                                                                                                  gini = 0.274
                                                                                                                                                                                                                                                                                                                                                          gini = 0.065
                                                                                                                                                                                                                   gini = 0.468
                                                                                                                                                                                                                                                                                                               gini = 0.094
                                                                                                                                                                                                                                        samples = 70
value = [22, 48]
                                                                                                                                                                                                                                                                                         samples = 5
                                                                                                                                                                                                                                                                                                                                                                               samples = 3
value = [2, 1]
                                                                                                                                                                                                                                                                                                                                     samples = 9
                                                                                                                                                                                                                  samples = 1443
value = [904, 539]
                                                                                                                                                                                                                                                                                                                                                         samples = 681
value = [23, 658]
                                                                                                                                                                                                                                                                  samples = 1671
                                                                                                                                                                                                                                                                                                              samples = 589
                                                                                                                                                                                                                                                                                        value = [0, 5]
                                                                                                                                                                                                                                                                                                                                    value = [5, 4]
                                                                                                                                                                                                                                                                value = [1397, 274]
                                                                                                                                                                                                                                                                                                             value = [560, 29]
                                                                                                                                                                                          X[104123] \le 0.059
gini = 0.465
                                                                                                                                                                                                                                               X[9288] \le 0.032

gini = 0.27
                                                                                                                                                                                                                                                                                             X[317008] \le 0.051
                                                                                                                                                                                                                                                                                                                                             X[333921] \le 0.062
                                                                                                                                                                                                                                                                       gini = 0.245
                                                                                                                                                                                                                                                                                                                                                                        gini = 0.0
                                                                                                                                                                                                                       gini = 0.0
                                                                                                                                                                                                                                                                                                                       gini = 0.444
                                                                                                                                                                                                                                                                                                gini = 0.088
                                                                                                                                                                                                                                                                                                                                                 gini = 0.063
                                                                                                                                                                                                                                                                                                                                                                        samples = 1
                                                                                                                                                                                                                     samples = 13
                                                                                                                                                                                                                                                                                                                       samples = 3
                                                                                                                                                                                             samples = 1430
                                                                                                                                                                                                                                                                                                samples = 586
                                                                                                                                                                                                                                                 samples = 1664
                                                                                                                                                                                                                                                                                                                                                 samples = 680
                                                                                                                                                                                                                                                                                                                                                                       value = [1, 0]
                                                                                                                                                                                                                    value = [0, 13]
                                                                                                                                                                                                                                                                       value = [1, 6]
                                                                                                                                                                                                                                                                                                                       value = [1, 2]
                                                                                                                                                                                                                                               value = [1396, 268]
                                                                                                                                                                                                                                                                                               value = [559, 27]
                                                                                                                                                                                            value = [904, 526]
                                                                                                                                                                                                                                                                                                                                               value = [22, 658]
                                                                                                                                                                                          X[259983] <= 0.062
gini = 0.461
samples = 1401
                                                                                                                                                                                                                                           X[342605] \le 0.089
                                                                                                                                                                                                                                                                                            X[212107] \le 0.119
                                                                                                                                                                                                                                                                                                                                            X[39897] \le 0.075
                                                                                                                                                                                                                                                                      gini = 0.496
                                                                                                                                                                                                                                                                                                                     gini = 0.444
                                                                                                                                                                                                                                                                                                                                                                    gini = 0.0
                                                                                                                                                                                                                     gini = 0.366
                                                                                                                                                                                                                                            gini = 0.263
samples = 1642
value = [1386, 256]
                                                                                                                                                                                                                                                                                                gini = 0.082
                                                                                                                                                                                                                                                                                                                                             gini = 0.06
                                                                                                                                                                                                                    samples = 29
value = [7, 22]
                                                                                                                                                                                                                                                                     samples = 22
value = [10, 12]
                                                                                                                                                                                                                                                                                                                     samples = 3
value = [1, 2]
                                                                                                                                                                                                                                                                                                                                                                   samples = 1
                                                                                                                                                                                                                                                                                               samples = 583
                                                                                                                                                                                                                                                                                                                                            samples = 679
value = [21, 658]
                                                                                                                                                                                                                                                                                                                                                                  value = [1, 0]
                                                                                                                                                                                           value = [897, 504]
                                                                                                                                                                                                                                                                                              value = [558, 25]
                                                                                                                                                                                                                                                                                                                                      X[169551] \le 0.097
                                                                                                                                                                                       X[2013] \le 0.081
                                                                                                                                                                                                                                       X[280710] \le 0.031
                                                                                                                                                                                                                                                                                        X[148543] \le 0.04
                                                                                                                                                                                                                                                                                                                                                                 gini = 0.0
                                                                                                                                                                                                                                                                 gini = 0.42
                                                                                                                                                                                                                                                                                                                gini = 0.444
                                                                                                                                                                                       gini = 0.458
samples = 1390
value = [897, 493]
                                                                                                                                                                                                                                         gini = 0.259
samples = 1632
                                                                                                                                                                                                                                                                                         gini = 0.076
                                                                                                                                                                                                                                                                                                                                         gini = 0.057
                                                                                                                                                                                                                                                                                                                                                                samples = 1
                                                                                                                                                                                                               samples = 11
                                                                                                                                                                                                                                                                samples = 10
                                                                                                                                                                                                                                                                                                                 samples = 3
                                                                                                                                                                                                                                                                                          samples = 580
                                                                                                                                                                                                                                                                                                                                         samples = 678
                                                                                                                                                                                                                                                               value = [3, 7]
                                                                                                                                                                                                              value = [0, 11]
                                                                                                                                                                                                                                                                                                                value = [1, 2]
                                                                                                                                                                                                                                                                                                                                                               value = [1, 0]
                                                                                                                                                                                                                                                                                        value = [557, 23]
                                                                                                                                                                                                                                                                                                                                       value = [20, 658]
                                                                                                                                                                                                                                       value = [1383, 249]
                                                                                                                                                                                                                                                                           X[5532] \le 0.066
                                                                                                                                                                                                                                                                                                                            X[275024] \le 0.045
                                                                                                                                                                                   X[37886] \le 0.016
                                                                                                                                                                                                                                X[2013] \le 0.111
                                                                                                                                                                                                                                                       gini = 0.0
samples = 4
value = [0, 4]
                                                                                                                                                                                                           gini = 0.231
                                                                                                                                                                                                                                                                                                 gini = 0.444
                                                                                                                                                                                                                                                                                                                                                       gini = 0.0
                                                                                                                                                                                                                               gini = 0.256
samples = 1628
value = [1383, 245]
                                                                                                                                                                                     gini = 0.454
samples = 1375
                                                                                                                                                                                                                                                                             gini = 0.07
samples = 577
                                                                                                                                                                                                                                                                                                                                gini = 0.055
                                                                                                                                                                                                           samples = 15
value = [2, 13]
                                                                                                                                                                                                                                                                                                 samples = 3 value = [1, 2]
                                                                                                                                                                                                                                                                                                                                                       samples = 1
                                                                                                                                                                                                                                                                                                                               samples = 677
                                                                                                                                                                                                                                                                                                                                                     value = [1, 0]
                                                                                                                                                                                    value = [895, 480]
                                                                                                                                                                                                                                                                                                                               value = [19, 658]
                                                                                                                                                                  X[99883] \le 0.073
                                                                                                                                                                                                                     X[238606] \le 0.012
                                                                                                                                                                                                                                                                      X[176640] \le 0.223
                                                                                                                                                                                                                                                                                                                     X[181083] \le 0.118
                                                                                                                                                                                         gini = 0.291
                                                                                                                                                                                                                                                                                                gini = 0.0
                                                                                                                                                                                                                                                gini = 0.0
                                                                                                                                                                                                                                                                                                                                               gini = 0.0
                                                                                                                                                                   gini = 0.451
samples = 1358
                                                                                                                                                                                                                         gini = 0.253
                                                                                                                                                                                                                                                                         gini = 0.067
                                                                                                                                                                                                                                                                                                                       gini = 0.052
                                                                                                                                                                                         samples = 17
                                                                                                                                                                                                                                                                                               samples = 1
                                                                                                                                                                                                                                               samples = 4
                                                                                                                                                                                                                                                                                                                                               samples = 1
                                                                                                                                                                                                                      samples = 1624
                                                                                                                                                                                                                                                                       samples = 576
                                                                                                                                                                                                                                                                                                                        samples = 676
                                                                                                                                                                                                                                                                                             value = [0, 1]
                                                                                                                                                                                                                                                                                                                                             value = [1, 0]
                                                                                                                                                                                         value = [3, 14]
                                                                                                                                                                                                                                              value = [0, 4]
                                                                                                                                                                                                                                                                       value = [556, 20]
                                                                                                                                                                 value = [892, 466]
                                                                                                                                                                                                                      value = [1383, 241]
                                                                                                                                                                                                                                                                                                                      value = [18, 658]
                                                                                                                                                                                                             X[17531] \le 0.055
                                                                                                                                                                                                                                                        |X[14604] \le 0.057
                                                                                                                                                                                                                                                                                                        X[138479] \le 0.092
                                                                                                                                                               X[100288] \le 0.099
                                                                                                                                                                                                                                                                                                                                  gini = 0.0
                                                                                                                                                                                                                                       gini = 0.0
                                                                                                                                                                                                                                                                                  gini = 0.0
                                                                                                                                                                                                                                                          gini = 0.064
                                                                                                                                                                                                                                                                                                          gini = 0.049
                                                                                                                                                                                                                gini = 0.25
                                                                                                                                                                  gini = 0.448
                                                                                                                                                                                         samples = 9
                                                                                                                                                                                                                                      samples = 4
                                                                                                                                                                                                                                                                                 samples = 1
                                                                                                                                                                                                                                                                                                                                  samples = 1
                                                                                                                                                                                                                                                                                                         samples = 675
value = [17, 658]
                                                                                                                                                                                                                                                         samples = 575
value = [556, 19]
                                                                                                                                                                samples = 1349
                                                                                                                                                                                                              samples = 1620
                                                                                                                                                                                                                                    value = [0, 4]
                                                                                                                                                                                       value = [0, 9]
                                                                                                                                                                                                                                                                                                                                value = [1, 0]
                                                                                                                                                                                                                                                                               value = [0, 1]
                                                                                                                                                               value = [892, 457]
                                                                                                                                                                                                            value = [1383, 237]
                                                                                                                                                X[133112] \le 0.07
                                                                                                                                                                                                  X[356612] \le 0.06
                                                                                                                                                                                                                                                   X[161837] \le 0.109
                                                                                                                                                                                                                                                                                                X[137594] \le 0.061
                                                                                                                                                                                                                          gini = 0.278
                                                                                                                                                                                                                                                                                                                          gini = 0.0
                                                                                                                                                                          gini = 0.0
                                                                                                                                                                                                    gini = 0.246
                                                                                                                                                                                                                                                                                                  gini = 0.046
                                                                                                                                                  gini = 0.445
                                                                                                                                                                                                                                                       gini = 0.061
                                                                                                                                                                      samples = 9
                                                                                                                                                                                                                           samples = 6
                                                                                                                                                                                                                                                                                                                         samples = 1
                                                                                                                                                                                                                                                                              samples = 1
                                                                                                                                                 samples = 1340
                                                                                                                                                                                                   samples = 1614
                                                                                                                                                                                                                                                      samples = 574
                                                                                                                                                                                                                                                                                                 samples = 674
                                                                                                                                                                                                                                                                                                                       value = [1, 0]
                                                                                                                                                                       value = [0, 9]
                                                                                                                                                                                                                          value = [1, 5]
                                                                                                                                                                                                                                                                            value = [0, 1]
                                                                                                                                                 value = [892, 448]
                                                                                                                                                                                                  value = [1382, 232]
                                                                                                                                                                                                                                                     value = [556, 18]
                                                                                                                                                                                                                                                                                                 value = [16, 658]
                                                                                                                                               X[234874] \le 0.055
                                                                                                                                                                                                                                                                                        X[226555] \le 0.058
                                                                                                                                                                                           X[184000] \le 0.041
                                                                                                                                                                                                                                         X[239390] \le 0.078
                                                                                                                                                                                                                                                                                                                 gini = 0.0
                                                                                                                                                                                                                      gini = 0.5
                                                                                                                                                                                                                                                                    gini = 0.0
                                                                                                                                                                                            gini = 0.239
                                                                                                                                                 gini = 0.442
                                                                                                                                                                                                                                           gini = 0.058
                                                                                                                                                                                                                                                                                            gini = 0.044
                                                                                                                                                                         samples = 8
                                                                                                                                                                                                                                                                  samples = 1
                                                                                                                                                                                                                     samples = 22
                                                                                                                                                                                                                                                                                                                  samples = 1
                                                                                                                                               samples = 1332
value = [892, 440]
                                                                                                                                                                                            samples = 1592
                                                                                                                                                                                                                                                                                           samples = 673
                                                                                                                                                                                                                                           samples = 573
                                                                                                                                                                        value = [0, 8]
                                                                                                                                                                                                                   value = [11, 11]
                                                                                                                                                                                                                                                                 value = [0, 1]
                                                                                                                                                                                                                                                                                                                value = [1, 0]
                                                                                                                                                                                                                                                                                         value = [15, 658]
                                                                                                                                                                                           value = [1371, 221]
                                                                                                                                                                                                                                          value = [556, 17]
                                                                                                                                                                                                                                X[167270] \le 0.098
                                                                                                                                                                                                                                                                                   X[47079] \le 0.114
                                                                                                                              X[344426] \le 0.013
                                                                                                                                                                             X[118931] \le 0.076
                                                                                                                                                                                                                                                                                                           gini = 0.0
                                                                                                                                                                                                        gini = 0.474
                                                                                                                                gini = 0.44
                                                                                                                                                                                                                                   gini = 0.054
                                                                                                                                                                               gini = 0.229
                                                                                                                                                                                                                                                                                     gini = 0.041
                                                                                                                                                                                                                                                                                                            samples = 1
                                                                                                                                                        samples = 8
                                                                                                                                                                                                                                                           samples = 1
                                                                                                                                                                                                        samples = 44
                                                                                                                              samples = 1324
value = [892, 432]
                                                                                                                                                                             samples = 1548
value = [1344, 204]
                                                                                                                                                                                                                                  samples = 572
value = [556, 16]
                                                                                                                                                                                                                                                                                    samples = 672
                                                                                                                                                                                                      value = [27, 17]
                                                                                                                                                                                                                                                                                                         value = [1, 0]
                                                                                                                                                                                                                                                         value = [0, 1]
                                                                                                                                                       value = [0, 8]
                                                                                                                                                                                                                                                                                   value = [14, 658]
                                                                                                                             X[360929] \le 0.05
                                                                                                                                                                          X[68984] \le 0.035
                                                                                                                                                                                                                    X[20240] \le 0.108
                                                                                                                                                                                                                                                              X[148268] \le 0.099
                                                                                                                                                      gini = 0.18
                                                                                                                                                                                                                                                                                         gini = 0.0
                                                                                                                                                                                                  gini = 0.444
                                                                                                                                                                                                                                             gini = 0.0
                                                                                                                                                                                                                                                                 gini = 0.038
                                                                                                                                                                                                                       gini = 0.051
                                                                                                                                                                            gini = 0.224
                                                                                                                                                                                                  samples = 9
                                                                                                                                                                                                                                             samples = 1
                                                                                                                                                                                                                                                                                        samples = 1
                                                                                                                                                                                                                     samples = 571
                                                                                                                                                                          samples = 1539
                                                                                                                              samples = 1314
                                                                                                                                                                                                                                                                 samples = 671
                                                                                                                                                     value = [1, 9]
                                                                                                                                                                                                  value = [3, 6]
                                                                                                                                                                                                                                           value = [0, 1]
                                                                                                                                                                                                                                                                                       value = [1, 0]
                                                                                                                                                                                                                     value = [556, 15]
                                                                                                                             value = [891, 423]
                                                                                                                                                                         value = [1341, 198]
                                                                                                                                                                                                                                                                value = [13, 658]
                                                                                                         X[3280] \le 0.028
gini = 0.431
                                                                                                                                                                                                        X[233315] <= 0.05
                                                                                                                                                          X[300806] \le 0.047
                                                                                                                                                                                                                                                     X[167806] \le 0.097
                                                                                                                                 gini = 0.452
                                                                                                                                                                                   gini = 0.486
                                                                                                                                                                                                                                                                               gini = 0.0
                                                                                                                                                                                                                                 gini = 0.0
                                                                                                                                                             gini = 0.219
samples = 1527
                                                                                                                                                                                                          gini = 0.048
                                                                                                                                                                                                                                                       gini = 0.035
                                                                                                                                                                                   samples = 12
                                                                                                                                 samples = 29
                                                                                                                                                                                                                                 samples = 1
                                                                                                                                                                                                                                                                             samples = 1
                                                                                                          samples = 1285
                                                                                                                                                                                                                                                      samples = 670
                                                                                                                                                                                                          samples = 570
                                                                                                                                                                                  value = [5, 7]
                                                                                                                                                                                                                                                                            value = [1, 0]
                                                                                                                                value = [10, 19]
                                                                                                                                                                                                                                value = [0, 1]
                                                                                                                                                           value = [1336, 191]
                                                                                                                                                                                                          value = [556, 14]
                                                                                                                                                                                                                                                      value = [12, 658]
                                                                                                        value = [881, 404]
                                                                                                                                                                                                                                     X[306306] \le 0.09
                                                                                                                                             X[125378] \le 0.117
                                                                                                                                                                                           X[75144] \le 0.188
                                                                                                   X[251959] \le 0.027
                                                                                                                                                                        gini = 0.499
                                                                                                                                                                                                                                                               gini = 0.0
                                                                                                                                                 gini = 0.212
                                                                                                                                                                                              gini = 0.045
                                                                                                                                                                                                                                        gini = 0.032
                                                                                                     gini = 0.428
                                                                                                                             samples = 7
                                                                                                                                                                        samples = 19
                                                                                                                                                                                                                                                               samples = 1
                                                                                                                                                                                                                    samples = 1
                                                                                                                                              samples = 1508
value = [1326, 182]
                                                                                                    samples = 1278
                                                                                                                                                                                            samples = 569
value = [556, 13]
                                                                                                                                                                                                                                        samples = 669
                                                                                                                                                                       value = [10, 9]
                                                                                                                                                                                                                   value = [0, 1]
                                                                                                                                                                                                                                                             value = [1, 0]
                                                                                                                           value = [0, 7]
                                                                                                   value = [881, 397]
                                                                                                                                                                                                                                      value = [11, 658]
                                                                                       X[143529] <= 0.128
gini = 0.029
                                                                                                                                                                                                                                                               samples = 1
                                                                                                                                                                                                                                      samples = 668
value = [10, 658]
                                                                                                                                                                                                                                                            value = [1, 0]
                                                                             X[68572] \le 0.042
                                                                                                                           X[339156] \le 0.111
                                                                                                                                                                          X[99671] \le 0.176
                                                                                                                                                                                                                           X[190146] \le 0.073
                                                                                                                                                                                                   gini = 0.0
                                                                                                                                                                                                                                                     gini = 0.0
                                                                                                      gini = 0.18
                                                                                                                                                     gini = 0.0
                                                                              gini = 0.433
samples = 1210
value = [827, 383]
                                                                                                                                                                            gini = 0.038
                                                                                                                             gini = 0.207
                                                                                                                                                                                                                              gini = 0.027
                                                                                                                                                                                                  samples = 1 value = [0, 1]
                                                                                                    samples = 10
value = [1, 9]
                                                                                                                                                    samples = 3 value = [0, 3]
                                                                                                                                                                                                                                                     samples = 1
                                                                                                                          samples = 1502
value = [1326, 176]
                                                                                                                                                                           samples = 567
value = [556, 11]
                                                                                                                                                                                                                           samples = 667
value = [9, 658]
                                                                                                                                                                                                                                                    value = [1, 0]
                                                                           X[334385] \le 0.065
                                                                                                                        X[144679] \le 0.051
                                                                                                                                                                     X[173657] \le 0.083
                                                                                                                                                                                                                      X[139488] \le 0.101
                                                                                                                                                                                                                                                gini = 0.0
                                                                             gini = 0.429
                                                                                                                            gini = 0.204
                                                                                                                                                                                                                        gini = 0.024
                                                                                                                                                                          gini = 0.035
                                                                                                                                                   samples = 3
                                                                                                                                                                                                samples = 1
                                                                             samples = 1201
                                                                                                                         samples = 1499
value = [1326, 173]
                                                                                                                                                                        samples = 566
value = [556, 10]
                                                                                                                                                                                                                        samples = 666
                                                                                                                                                  value = [0, 3]
                                                                                                                                                                                               value = [0, 1]
                                                                                                    value = [1, 8]
                                                                                                                                                                                                                                               value = [1, 0]
                                                                            value = [826, 375]
                                                                                                                                                                                                                        value = [8, 658]
                                                                           X[27741] <= 0.091
gini = 0.424
samples = 1181
value = [820, 361]
                                                                                                                        X[348589] \le 0.071
                                                                                                                                                                    X[213538] \le 0.109
                                                                                                                                                                                                                    X[344761] \le 0.115
                                                                                                                                                 gini = 0.0
                                                                                                                                                                                                                                              gini = 0.0
                                                                                                     gini = 0.42
                                                                                                                                                                                               gini = 0.0
                                                                                                                                                                       gini = 0.031
                                                                                                                           gini = 0.201
                                                                                                                                                                                                                        gini = 0.021
                                                                                                                                                                                              samples = 1
                                                                                                                                                                                                                                              samples = 1
                                                                                                                        samples = 1496
value = [1326, 170]
                                                                                                                                                                       samples = 565
value = [556, 9]
                                                                                                                                                                                                                      samples = 665
value = [7, 658]
                                                                                                    value = [6, 14]
                                                                                                                                                 value = [0, 3]
                                                                                                                                                                                                                                             value = [1, 0]
                                                                                                                                                                                             value = [0, 1]
                                                                                                                                                                                                                 X[77357] \le 0.08
                                                                    X[340757] \le 0.09
                                                                                                                X[213810] \le 0.1
                                                                                                                                                             X[194359] \le 0.226
                                                                                                                                        gini = 0.32
                                                                                                                                                                                                                                          gini = 0.0
                                                                                             gini = 0.298
                                                                                                                                                                                        gini = 0.0
                                                                    gini = 0.421
samples = 1170
value = [818, 352]
                                                                                                               gini = 0.198
samples = 1491
value = [1325, 166]
                                                                                                                                                               gini = 0.028
                                                                                                                                                                                                                   gini = 0.018
                                                                                                                                                                                                                                        samples = 1
value = [1, 0]
                                                                                                                                       samples = 5
value = [1, 4]
                                                                                            samples = 11 value = [2, 9]
                                                                                                                                                                                     samples = 1
value = [0, 1]
                                                                                                                                                              samples = 564
value = [556, 8]
                                                                                                                                                                                                                  samples = 664
value = [6, 658]
                                                                                                            X[355989] \le 0.102
                                                                                                                                                        X[171895] \le 0.153
                                                    X[40027] \le 0.059
                                                                                                                                                                                                           X[80380] \le 0.154
                                                                                                                                                                                   gini = 0.0
                                                                                                                                                                                                                                   gini = 0.0
                                                   gini = 0.417
samples = 1161
value = [817, 344]
                                                                                                             gini = 0.194
samples = 1486
value = [1324, 162]
                                                                                                                                                           gini = 0.025
samples = 563
value = [556, 7]
                                                                                                                                                                                                             gini = 0.015
                                                                                                                                       samples = 5
                                                                                                                                                                                   samples = 1
                                                                                                                                                                                                                                   samples = 1
                                                                                                                                                                                                            samples = 663
                                                                                                                                      value = [1, 4]
                                                                                                                                                                                  value = [0, 1]
                                                                                                                                                                                                                                  value = [1, 0]
                                                                           value = [1, 8]
                                                                                                                                                                                                            value = [5, 658]
                                                                                                                                                                                                      X[73268] <= 0.152
gini = 0.012
                                                                                                                                                       X[121855] \le 0.17
                                                 X[135160] \le 0.034
                                                                                                      X[321508] \le 0.07
                                                                                                                                gini = 0.32
                                                                            gini = 0.0
                                                                                                                                                                                  gini = 0.0
                                                                                                                                                                                                                               gini = 0.0
                                                  gini = 0.414
samples = 1155
value = [817, 338]
                                                                                                                                                          gini = 0.021
                                                                                                         gini = 0.191
                                                                                                                                                                                                                               samples = 1
                                                                                                                                                                                 samples = 1
                                                                            samples = 6
                                                                                                                                 samples = 5
                                                                                                        samples = 1481
                                                                                                                                                         samples = 562
value = [556, 6]
                                                                                                                                                                                                       samples = 662
value = [4, 658]
                                                                                                                                                                               value = [0, 1]
                                                                                                                                                                                                                              value = [1, 0]
                                                                           value = [0, 6]
                                                                                                                                 value = [1, 4]
                                                                                                       value = [1323, 158]
                                                                                            X[81251] \le 0.113
                                                X[325371] \le 0.072
                                                                                                                                       X[255634] \le 0.12
                                                                                                                                                                                      X[167345] \le 0.092
                                                                                                                                                                                                                 gini = 0.0
                                                                                                                     gini = 0.32
                                                                          gini = 0.0
                                                                                                                                                                 gini = 0.0
                                                                                           gini = 0.187
samples = 1476
value = [1322, 154]
                                                  gini = 0.411
samples = 1149
                                                                                                                                         gini = 0.018
                                                                                                                                                                                          gini = 0.009
                                                                         samples = 6
value = [0, 6]
                                                                                                                    samples = 5 value = [1, 4]
                                                                                                                                                               samples = 1
value = [0, 1]
                                                                                                                                                                                                                samples = 1
                                                                                                                                                                                         samples = 661
                                                                                                                                         samples = 561
value = [556, 5]
                                                                                                                                                                                                               value = [1, 0]
                                                value = [817, 332]
                                                                                                                                                                                         value = [3, 658]
                                                                                                                                 X[307223] \le 0.059
                                                                                                                                                                             X[255529] \le 0.217
                                           X[260738] \le 0.074
                                                                                      X[238728] \le 0.081
                                                                                                                gini = 0.0
                                                                     gini = 0.0
                                                                                                                                                             gini = 0.0
                                                                                                                                                                                                        gini = 0.0
                                            gini = 0.408
                                                                                                                                                                                gini = 0.006
                                                                                                                                     gini = 0.014
                                                                                         gini = 0.184
                                                                                                                                                            samples = 1
                                                                                                                                                                                                        samples = 1
                                                                                                                samples = 3
                                                                                                                                                                                samples = 660
                                            samples = 1143
                                                                                        samples = 1473
                                                                                                                                    samples = 560
                                                                                                                                                                                                      value = [1, 0]
                                                                                                                                                          value = [0, 1]
                                                                                       value = [1322, 151]
                                                                                                                                                                                value = [2, 658]
                                                                                                                                    value = [556, 4]
                      X[355989] \le 0.059
                                                                                                                  X[335027] \le 0.203
                                                                   X[292588] \le 0.055
                                                                                                                                                                    X[329788] \le 0.118
                                               gini = 0.219
                                                                                            gini = 0.469
                                                                                                                                             gini = 0.0
                                                                                                                                                                                              gini = 0.0
                         gini = 0.404
                                                                     gini = 0.179
                                                                                                                    gini = 0.011
                                                                                                                                                                       gini = 0.003
                                                                                                                                         samples = 1
                                                samples = 8
                                                                                            samples = 8
                                                                                                                                                                                             samples = 1
                        samples = 1135
                                                                    samples = 1465
                                                                                                                   samples = 559
                                                                                                                                                                     samples = 659
                                               value = [1, 7]
                                                                                                                                         value = [0, 1]
                                                                                           value = [3, 5]
                                                                                                                                                                                           value = [1, 0]
                       value = [816, 319]
                                                                   value = [1319, 146]
                                                                                                                    value = [556, 3]
                                                                                                                                                                     value = [1, 658]
                                                                 X[362453] \le 0.05
                   X[358776] \le 0.019
                                                                                                                X[253312] \le 0.174
                                                                                                                                                                 gini = 0.0
                                                                                                                                                                                     gini = 0.0
                                              gini = 0.43
                                                                                          gini = 0.5
                     gini = 0.399
                                                                   gini = 0.174
                                                                                                                  gini = 0.007
samples = 558
                                                                                                                                                               samples = 658
                                            samples = 16
value = [5, 11]
                                                                                         samples = 12
                                                                                                                                                                                    samples = 1
                                                                                                                                        samples = 1
value = [0, 1]
                                                                  samples = 1453
                   samples = 1119
value = [811, 308]
                                                                                         value = [6, 6]
                                                                                                                                                              value = [0, 658] value = [1, 0]
                                                                 value = [1313, 140]
                                                                                                                  value = [556, 2]
                                                               X[118164] \le 0.121
                                                                                                             X[170885] \le 0.092
           X[8816] \le 0.04
                                                                                         gini = 0.444
                                                                                                                                        gini = 0.0
                                                                                                                gini = 0.004
            gini = 0.419
                                                                   gini = 0.17
                                                                                        samples = 6
                                                                                                                                       samples = 1
                                  samples = 205
                                                               samples = 1447
value = [1311, 136]
            samples = 914
                                                                                                               samples = 557
value = [556, 1]
                                value = [170, 35]
                                                                                        value = [2, 4]
                                                                                                                                      value = [0, 1]
          value = [641, 273]
      X[125605] \le 0.05
                                                         X[320264] \le 0.053
                                gini = 0.473
                                                                                                             gini = 0.0
                                                                                                                                gini = 0.0
                                                                                   gini = 0.444
        gini = 0.411
                                                             gini = 0.166
                                                                                 samples = 6
                                                                                                          samples = 556
                                                                                                                              samples = 1
value = [0, 1]
                                samples = 26
                                                          samples = 1441
        samples = 888
                                                                                                          value = [556, 0]
                              value = [10, 16]
                                                                                  value = [2, 4]
      value = [631, 257]
                                                         value = [1309, 132]
                                          X[357693] \le 0.062
X[52692] \le 0.025
                      gini = 0.219
                                                                   gini = 0.375
                                          gini = 0.163
samples = 1437
value = [1308, 129]
 gini = 0.407
samples = 880
                      samples = 8
value = [1, 7]
                                                                   samples = 4
                                                                 value = [1, 3]
value = [630, 250]
                               X[294738] \le 0.146
        gini = 0.219
                                                         gini = 0.375
                                   gini = 0.16
                                                         samples = 4
        samples = 8
                                 samples = 1433
                                                       value = [1, 3]
       value = [1, 7]
                                value = [1307, 126]
                        X[25017] \le 0.029
                                                 gini = 0.375
 gini = 0.0
                           gini = 0.157
samples = 5
                                                  samples = 4
                           samples = 1429
value = [0, 5]
                                                value = [1, 3]
                        value = [1306, 123]
```

 $X[110692] \le 0.103$

gini = 0.402

samples = 872

value = [629, 243]

gini = 0.0

samples = 5

| value = [0, 5]

gini = 0.375

samples = 4

value = [1, 3]

gini = 0.154

samples = 1425

value = [1305, 120]

 $X[47944] \le 0.056$

gini = 0.398

samples = 867

value = [629, 238]

gini = 0.394

samples = 862

value = [629, 233]

X[139281] <= 0.032 gini = 0.5samples = 9800value = [4898, 4902]

 $X[324665] \le 0.054$

gini = 0.416

samples = 686value = [202, 484]

 $X[140005] \le 0.022$

gini = 0.4

samples = 663

value = [183, 480]

gini = 0.413

samples = 24

value = [17, 7]

gini = 0.42

samples = 20

value = [14, 6]

gini = 0.219

samples = 8

value = [7, 1]

samples = 5

gini = 0.454

samples = 135

value = [47, 88]

value = [5, 0]

gini = 0.387

samples = 651

value = [171, 480]

gini = 0.287

samples = 23

value = [19, 4]

gini = 0.0

samples = 12

value = [12, 0]