bidirectional_bytes <= 135.0 gini = 0.905 samples = 6086 value = [599, 599, 619, 586, 562, 565, 571, 599, 7, 21, 617 594, 111, 14, 22] class = DDoS
True
False
protocol <= 11.5 gini = 0.013 samples = 615 value = [4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 611, 0, 0, 0 0] class = PortScan
dst2src_last_seen_ms <= 509414068.0 gini = 0.896 samples = 5471 value = [595, 599, 619, 586, 562, 565, 571, 599, 7, 21, 6 594, 111, 14, 22] class = DDoS
gini = -0.0 samples = 611 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 611, 0, 0, 0 0] class = PortScan
gini = 0.0 samples = 4 value = [4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_rst_packets <= 1.5 gini = 0.884 samples = 4839 value = [582, 599, 0, 586, 562, 565, 571, 599, 7, 21, 6 594, 111, 14, 22] class = Bot
dst2src_bytes <= 324.0 gini = 0.04 samples = 632 value = [13, 0, 619, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DDoS
src2dst_last_seen_ms <= 487294909.5 gini = 0.868 samples = 4231 value = [580, 599, 0, 586, 555, 565, 571, 1, 7, 21, 5 594, 111, 14, 22] class = Bot
src2dst_packets <= 9.5 gini = 0.032 samples = 608 value = [2, 0, 0, 0, 7, 0, 0, 598, 0, 0, 1, 0, 0, 0 0] class = FTP-Patator
gini = -0.0 samples = 13 value = [13, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 619 value = [0, 0, 619, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DDoS
bidirectional_psh_packets <= 30.5 gini = 0.848 samples = 3555 value = [506, 2, 0, 586, 555, 565, 571, 1, 7, 21, 0, 594 111, 14, 22] class = SSH-Patator
dst2src_mean_ps <= 95.5 gini = 0.208 samples = 676 value = [74, 597, 0, 0, 0, 0, 0, 0, 0, 0, 5, 0, 0, 0 0] class = Bot
bidirectional_stddev_ps <= 654.323 gini = 0.46 samples = 10 value = [2, 0, 0, 0, 7, 0, 0, 0, 0, 0, 1, 0, 0, 0 0] class = DoS Hulk
gini = 0.0 samples = 598 value = [0, 0, 0, 0, 0, 0, 0, 598, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator
dst2src_mean_ps <= 749.8 gini = 0.813 samples = 2878 value = [501, 2, 0, 586, 555, 565, 571, 1, 0, 11, 0, 8 59, 14, 5] class = DoS GoldenEye
src2dst_bytes <= 6920.0 gini = 0.244 samples = 677 value = [5, 0, 0, 0, 0, 0, 0, 0, 7, 10, 0, 586, 52, 0 17] class = SSH-Patator
dst2src_packets <= 3.0 gini = 0.016 samples = 602 value = [1, 597, 0, 0, 0, 0, 0, 0, 0, 0, 4, 0, 0, 0 0] class = Bot
dst2src_stddev_ps <= 1715.77 gini = 0.027 samples = 74 value = [73, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0 0] class = BENIGN
dst2src_first_seen_ms <= 497264363.0 gini = 0.444 samples = 3 value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 7 value = [0, 0, 0, 0, 7, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
dst2src_first_seen_ms <= 316769519.0 gini = 0.711 samples = 1740 value = [477, 2, 0, 37, 1, 565, 570, 1, 0, 11, 0, 8, 57 10, 1] class = DoS slowloris
dst2src_first_seen_ms <= 319935271.0 gini = 0.53 samples = 1138 value = [24, 0, 0, 549, 554, 0, 1, 0, 0, 0, 0, 0, 2 4, 4] class = DoS Hulk
gini = -0.0 samples = 586 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 586, 0, 0 0] class = SSH-Patator
src2dst_stddev_ps <= 230.446 gini = 0.618 samples = 91 value = [5, 0, 0, 0, 0, 0, 0, 0, 7, 10, 0, 0, 52, 0 17] class = Web Attack - Brute Force
bidirectional_last_seen_ms <= 502405345.0 gini = 0.32 samples = 5 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 4, 0, 0, 0 0] class = PortScan
gini = 0.0 samples = 597 value = [0, 597, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = Bot
gini = 0.0 samples = 73 value = [73, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 1 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0 0] class = PortScan
gini = 0.0 samples = 2 value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 1 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0 0] class = PortScan
bidirectional_first_seen_ms <= 284460423.5 gini = 0.446 samples = 846 value = [267, 0, 0, 0, 0, 0, 570, 1, 0, 0, 0, 8, 0, 0 0] class = DoS slowloris
src2dst_last_seen_ms <= 318614426.0 gini = 0.54 samples = 894 value = [210, 2, 0, 37, 1, 565, 0, 0, 0, 11, 0, 0, 57 10, 1] class = DoS Slowhttptest
src2dst_last_seen_ms <= 317635633.0 gini = 0.064 samples = 573 value = [16, 0, 0, 2, 554, 0, 1, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
src2dst_first_seen_ms <= 360285974.0 gini = 0.062 samples = 565 value = [8, 0, 0, 547, 0, 0, 0, 0, 0, 0, 0, 0, 2, 4 4] class = DoS GoldenEye
src2dst_first_seen_ms <= 273346859.5 gini = 0.037 samples = 53 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 52, 0 0] class = Web Attack - Brute Force
dst2src_mean_ps <= 1468.852 gini = 0.686 samples = 38 value = [4, 0, 0, 0, 0, 0, 0, 0, 7, 10, 0, 0, 0, 0 17] class = Web Attack - XSS
gini = 0.0 samples = 1 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 4 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 4, 0, 0, 0 0] class = PortScan
src2dst_psh_packets <= 6.5 gini = 0.065 samples = 268 value = [259, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 8, 0, 0 0] class = BENIGN
src2dst_psh_packets <= 0.5 gini = 0.027 samples = 578 value = [8, 0, 0, 0, 0, 0, 570, 0, 0, 0, 0, 0, 0, 0 0] class = DoS slowloris
src2dst_psh_packets <= 0.5 gini = 0.031 samples = 574 value = [9, 0, 0, 0, 0, 565, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
src2dst_mean_ps <= 138.15 gini = 0.561 samples = 320 value = [201, 2, 0, 37, 1, 0, 0, 0, 0, 11, 0, 0, 57 10, 1] class = BENIGN
bidirectional_last_seen_ms <= 285225719.5 gini = 0.111 samples = 17 value = [16, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
src2dst_rst_packets <= 0.5 gini = 0.007 samples = 556 value = [0, 0, 0, 2, 554, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
gini = 0.0 samples = 547 value = [0, 0, 0, 547, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
dst2src_stddev_ps <= 1369.261 gini = 0.691 samples = 18 value = [8, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 4 4] class = BENIGN
gini = 0.0 samples = 1 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 52 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 52, 0 0] class = Web Attack - Brute Force
dst2src_mean_ps <= 64.456 gini = 0.626 samples = 21 value = [4, 0, 0, 0, 0, 0, 0, 0, 7, 10, 0, 0, 0, 0 0] class = Infiltration
gini = 0.0 samples = 17 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 17] class = Web Attack - XSS
dst2src_rst_packets <= 0.5 gini = 0.023 samples = 261 value = [258, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0 0] class = BENIGN
dst2src_mean_piat_ms <= 829.904 gini = 0.449 samples = 7 value = [1, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 5, 0, 0 0] class = SSH-Patator
gini = 0.0 samples = 7 value = [7, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_rst_packets <= 1.5 gini = 0.003 samples = 571 value = [1, 0, 0, 0, 0, 0, 570, 0, 0, 0, 0, 0, 0, 0 0] class = DoS slowloris
gini = 0.0 samples = 9 value = [9, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 565 value = [0, 0, 0, 0, 0, 565, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
dst2src_max_piat_ms <= 10178.0 gini = 0.022 samples = 180 value = [178, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
src2dst_stddev_piat_ms <= 0.24 gini = 0.722 samples = 140 value = [23, 0, 0, 37, 1, 0, 0, 0, 0, 11, 0, 0, 57 10, 1] class = Web Attack - Brute Force
gini = 0.0 samples = 16 value = [16, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 1 value = [0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0 0] class = DoS slowloris
gini = 0.0 samples = 2 value = [0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
gini = 0.0 samples = 554 value = [0, 0, 0, 0, 554, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
src2dst_psh_packets <= 2.0 gini = 0.198 samples = 9 value = [8, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1 0] class = BENIGN
bidirectional_stddev_ps <= 1256.415 gini = 0.642 samples = 9 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 3 4] class = Web Attack - XSS
gini = -0.0 samples = 10 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 10, 0, 0, 0, 0 0] class = Infiltration
src2dst_packets <= 1089.5 gini = 0.463 samples = 11 value = [4, 0, 0, 0, 0, 0, 0, 0, 7, 0, 0, 0, 0, 0 0] class = Heartbleed
bidirectional_psh_packets <= 10.5 gini = 0.008 samples = 253 value = [252, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0 0] class = BENIGN
src2dst_stddev_ps <= 69.354 gini = 0.375 samples = 8 value = [6, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0 0] class = BENIGN
gini = -0.0 samples = 5 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 5, 0, 0 0] class = SSH-Patator
dst2src_stddev_piat_ms <= 1471.795 gini = 0.5 samples = 2 value = [1, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = -0.0 samples = 570 value = [0, 0, 0, 0, 0, 0, 570, 0, 0, 0, 0, 0, 0, 0 0] class = DoS slowloris
gini = 0.0 samples = 1 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = -0.0 samples = 176 value = [176, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_mean_piat_ms <= 3171.632 gini = 0.5 samples = 4 value = [2, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = -0.0 samples = 37 value = [0, 0, 0, 37, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
dst2src_packets <= 6.5 gini = 0.616 samples = 103 value = [23, 0, 0, 0, 1, 0, 0, 0, 0, 11, 0, 0, 57, 10 1] class = Web Attack - Brute Force
gini = 0.0 samples = 1 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1 0] class = Web Attack - Sql Injection
gini = 0.0 samples = 8 value = [8, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_first_seen_ms <= 399981356.0 gini = 0.48 samples = 5 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 3 0] class = Web Attack - Sql Injection
gini = 0.0 samples = 4 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 4] class = Web Attack - XSS
gini = 0.0 samples = 4 value = [4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 7 value = [0, 0, 0, 0, 0, 0, 0, 0, 7, 0, 0, 0, 0, 0 0] class = Heartbleed
src2dst_last_seen_ms <= 142042208.5 gini = 0.0 samples = 249 value = [249, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_first_seen_ms <= 167701623.0 gini = 0.375 samples = 4 value = [3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0 0] class = BENIGN
gini = 0.0 samples = 2 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0 0] class = SSH-Patator
gini = 0.0 samples = 6 value = [6, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 1 value = [0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator
gini = 0.0 samples = 1 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 2 value = [0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = Bot
gini = 0.0 samples = 2 value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_first_seen_ms <= 402779346.0 gini = 0.296 samples = 69 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 57, 10 1] class = Web Attack - Brute Force
bidirectional_syn_packets <= 1.0 gini = 0.512 samples = 34 value = [22, 0, 0, 0, 1, 0, 0, 0, 0, 11, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 2 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0 0] class = Web Attack - Brute Force
gini = 0.0 samples = 3 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3 0] class = Web Attack - Sql Injection
gini = 0.0 samples = 19 value = [19, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 230 value = [230, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 3 value = [3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 1 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0 0] class = SSH-Patator
gini = 0.0 samples = 57 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 57, 0 0] class = Web Attack - Brute Force
dst2src_stddev_piat_ms <= 2440.655 gini = 0.292 samples = 12 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 10 1] class = Web Attack - Sql Injection
gini = -0.0 samples = 11 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 11, 0, 0, 0, 0 0] class = Infiltration
dst2src_last_seen_ms <= 319538937.5 gini = 0.163 samples = 23 value = [22, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
src2dst_duration_ms <= 138.0 gini = 0.5 samples = 2 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 1] class = BENIGN
gini = 0.0 samples = 10 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 10 0] class = Web Attack - Sql Injection
gini = 0.0 samples = 1 value = [0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
src2dst_packets <= 8.5 gini = 0.087 samples = 22 value = [22, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 1 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 1 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 1] class = Web Attack - XSS
gini = 0.444 samples = 3 value = [3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 19 value = [19, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN