dst2src_stddev_ps <= 878.367 gini = 0.905 samples = 6087 value = [596, 557, 552, 582, 633, 604, 581, 573, 12, 24, 597, 624, 130, 6, 16] class = DoS Hulk
True
False
dst2src_psh_packets <= 14.5 gini = 0.869 samples = 4322 value = [579, 557, 8, 22, 5, 604, 581, 573, 11, 24, 597, 624, 124, 2, 11] class = SSH-Patator
src2dst_last_seen_ms <= 319938424.0 gini = 0.678 samples = 1765 value = [17, 0, 544, 560, 628, 0, 0, 0, 1, 0, 0, 0, 6, 4, 5] class = DoS Hulk
src2dst_psh_packets <= 0.5 gini = 0.845 samples = 3622 value = [578, 557, 8, 22, 5, 604, 581, 573, 0, 24, 597, 15, 55, 2, 1] class = DoS Slowhttptest
bidirectional_stddev_ps <= 309.396 gini = 0.233 samples = 700 value = [1, 0, 0, 0, 0, 0, 0, 0, 11, 0, 0, 609, 69, 0, 10] class = SSH-Patator
bidirectional_last_seen_ms <= 317542106.5 gini = 0.037 samples = 638 value = [12, 0, 0, 0, 626, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = DoS Hulk
src2dst_stddev_ps <= 11.941 gini = 0.52 samples = 1127 value = [5, 0, 544, 560, 2, 0, 0, 0, 1, 0, 0, 0, 6, 4, 5] class = DoS GoldenEye
bidirectional_syn_packets <= 0.5 gini = 0.489 samples = 1042 value = [445, 0, 0, 0, 0, 0, 0, 0, 0, 0, 597, 0, 0, 0, 0] class = PortScan
dst2src_last_seen_ms <= 456207891.0 gini = 0.795 samples = 2580 value = [133, 557, 8, 22, 5, 604, 581, 573, 0, 24, 0, 15, 55, 2, 1] class = DoS Slowhttptest
gini = 0.0 samples = 609 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 609, 0, 0, 0] class = SSH-Patator
bidirectional_mean_ps <= 455.055 gini = 0.398 samples = 91 value = [1, 0, 0, 0, 0, 0, 0, 0, 11, 0, 0, 0, 69, 0, 10] class = Web Attack - Brute Force
gini = 0.0 samples = 12 value = [12, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = BENIGN
gini = 0.0 samples = 626 value = [0, 0, 0, 0, 626, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = DoS Hulk
gini = -0.0 samples = 544 value = [0, 0, 544, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = DDoS
bidirectional_first_seen_ms <= 327776249.0 gini = 0.077 samples = 583 value = [5, 0, 0, 560, 2, 0, 0, 0, 1, 0, 0, 0, 6, 4, 5] class = DoS GoldenEye
src2dst_bytes <= 62.5 gini = 0.08 samples = 456 value = [437, 0, 0, 0, 0, 0, 0, 0, 0, 0, 19, 0, 0, 0, 0] class = BENIGN
bidirectional_first_seen_ms <= 410526041.0 gini = 0.027 samples = 586 value = [8, 0, 0, 0, 0, 0, 0, 0, 0, 0, 578, 0, 0, 0, 0] class = PortScan
src2dst_first_seen_ms <= 234417889.5 gini = 0.738 samples = 1999 value = [117, 0, 0, 22, 5, 604, 581, 573, 0, 24, 0, 15, 55, 2, 1] class = DoS Slowhttptest
src2dst_first_seen_ms <= 494961437.5 gini = 0.08 samples = 581 value = [16, 557, 8, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = Bot
gini = -0.0 samples = 69 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 69, 0, 0] class = Web Attack - Brute Force
bidirectional_mean_ps <= 1249.442 gini = 0.541 samples = 22 value = [1, 0, 0, 0, 0, 0, 0, 0, 11, 0, 0, 0, 0, 0, 10] class = Heartbleed
src2dst_bytes <= 545.5 gini = 0.007 samples = 562 value = [0, 0, 0, 560, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = DoS GoldenEye
src2dst_first_seen_ms <= 401721896.0 gini = 0.766 samples = 21 value = [5, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 6, 4, 5] class = Web Attack - Brute Force
src2dst_last_seen_ms <= 409435033.0 gini = 0.375 samples = 72 value = [54, 0, 0, 0, 0, 0, 0, 0, 0, 0, 18, 0, 0, 0, 0] class = BENIGN
bidirectional_bytes <= 93.0 gini = 0.005 samples = 384 value = [383, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0] class = BENIGN
gini = 0.0 samples = 8 value = [8, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = BENIGN
gini = 0.0 samples = 578 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 578, 0, 0, 0, 0] class = PortScan
bidirectional_stddev_ps <= 16.754 gini = 0.135 samples = 618 value = [45, 0, 0, 0, 0, 0, 0, 573, 0, 0, 0, 0, 0, 0, 0] class = FTP-Patator
src2dst_first_seen_ms <= 316952070.5 gini = 0.627 samples = 1381 value = [72, 0, 0, 22, 5, 604, 581, 0, 0, 24, 0, 15, 55, 2, 1] class = DoS Slowhttptest
bidirectional_max_piat_ms <= 2875.5 gini = 0.018 samples = 562 value = [5, 557, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = Bot
src2dst_stddev_ps <= 2111.499 gini = 0.488 samples = 19 value = [11, 0, 8, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = BENIGN
dst2src_max_piat_ms <= 22257.5 gini = 0.165 samples = 11 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 10] class = Web Attack - XSS
gini = 0.0 samples = 11 value = [0, 0, 0, 0, 0, 0, 0, 0, 11, 0, 0, 0, 0, 0, 0] class = Heartbleed
gini = 0.0 samples = 2 value = [0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = DoS Hulk
gini = 0.0 samples = 560 value = [0, 0, 0, 560, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = DoS GoldenEye
bidirectional_stddev_ps <= 1943.287 gini = 0.245 samples = 7 value = [0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 6, 0, 0] class = Web Attack - Brute Force
bidirectional_first_seen_ms <= 404763238.5 gini = 0.663 samples = 14 value = [5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 4, 5] class = BENIGN
gini = -0.0 samples = 41 value = [41, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = BENIGN
bidirectional_last_seen_ms <= 426362018.5 gini = 0.487 samples = 31 value = [13, 0, 0, 0, 0, 0, 0, 0, 0, 0, 18, 0, 0, 0, 0] class = PortScan
src2dst_last_seen_ms <= 466351160.5 gini = 0.056 samples = 35 value = [34, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0] class = BENIGN
gini = 0.0 samples = 349 value = [349, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = BENIGN
src2dst_first_seen_ms <= 188507064.0 gini = 0.003 samples = 574 value = [1, 0, 0, 0, 0, 0, 0, 573, 0, 0, 0, 0, 0, 0, 0] class = FTP-Patator
gini = 0.0 samples = 44 value = [44, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = BENIGN
dst2src_first_seen_ms <= 281816953.0 gini = 0.112 samples = 617 value = [19, 0, 0, 0, 0, 2, 581, 0, 0, 0, 0, 15, 0, 0, 0] class = DoS slowloris
bidirectional_first_seen_ms <= 318391070.0 gini = 0.367 samples = 764 value = [53, 0, 0, 22, 5, 602, 0, 0, 0, 24, 0, 0, 55, 2, 1] class = DoS Slowhttptest
gini = -0.0 samples = 557 value = [0, 557, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = Bot
gini = 0.0 samples = 5 value = [5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = BENIGN
gini = -0.0 samples = 11 value = [11, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = BENIGN
gini = 0.0 samples = 8 value = [0, 0, 8, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = DDoS
gini = -0.0 samples = 10 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 10] 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 = 6 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 6, 0, 0] class = Web Attack - Brute Force
gini = 0.0 samples = 1 value = [0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0] class = Heartbleed
gini = -0.0 samples = 5 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 5] class = Web Attack - XSS
bidirectional_ack_packets <= 9.5 gini = 0.494 samples = 9 value = [5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 4, 0] class = BENIGN
gini = -0.0 samples = 17 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 17, 0, 0, 0, 0] class = PortScan
dst2src_ack_packets <= 0.5 gini = 0.133 samples = 14 value = [13, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0] class = BENIGN
gini = 0.0 samples = 29 value = [29, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = BENIGN
src2dst_first_seen_ms <= 507510350.5 gini = 0.278 samples = 6 value = [5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 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 = 573 value = [0, 0, 0, 0, 0, 0, 0, 573, 0, 0, 0, 0, 0, 0, 0] class = FTP-Patator
dst2src_bytes <= 4723.5 gini = 0.499 samples = 31 value = [16, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 15, 0, 0, 0] class = BENIGN
src2dst_max_ps <= 445.5 gini = 0.017 samples = 586 value = [3, 0, 0, 0, 0, 2, 581, 0, 0, 0, 0, 0, 0, 0, 0] class = DoS slowloris
src2dst_min_ps <= 63.0 gini = 0.007 samples = 604 value = [2, 0, 0, 0, 0, 602, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = DoS Slowhttptest
dst2src_min_piat_ms <= 0.5 gini = 0.738 samples = 160 value = [51, 0, 0, 22, 5, 0, 0, 0, 0, 24, 0, 0, 55, 2, 1] class = Web Attack - Brute Force
gini = 0.0 samples = 4 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 4, 0] class = Web Attack - Sql Injection
gini = 0.0 samples = 5 value = [5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = BENIGN
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 = 1 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0] class = PortScan
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 = 5 value = [5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = BENIGN
dst2src_min_ps <= 63.0 gini = 0.375 samples = 20 value = [5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 15, 0, 0, 0] class = SSH-Patator
gini = 0.0 samples = 11 value = [11, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = BENIGN
gini = -0.0 samples = 581 value = [0, 0, 0, 0, 0, 0, 581, 0, 0, 0, 0, 0, 0, 0, 0] class = DoS slowloris
src2dst_last_seen_ms <= 316610228.0 gini = 0.48 samples = 5 value = [3, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = BENIGN
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 = 602 value = [0, 0, 0, 0, 0, 602, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = DoS Slowhttptest
src2dst_last_seen_ms <= 322546773.0 gini = 0.661 samples = 95 value = [45, 0, 0, 22, 5, 0, 0, 0, 0, 23, 0, 0, 0, 0, 0] class = BENIGN
src2dst_ack_packets <= 6.5 gini = 0.274 samples = 65 value = [6, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 55, 2, 1] class = Web Attack - Brute Force
src2dst_mean_piat_ms <= 0.25 gini = 0.32 samples = 5 value = [4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0] class = BENIGN
dst2src_min_piat_ms <= 1.0 gini = 0.124 samples = 15 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 14, 0, 0, 0] class = SSH-Patator
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 = 2 value = [0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = DoS Slowhttptest
dst2src_first_seen_ms <= 320068367.0 gini = 0.349 samples = 28 value = [1, 0, 0, 22, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = DoS GoldenEye
src2dst_psh_packets <= 19.5 gini = 0.451 samples = 67 value = [44, 0, 0, 0, 0, 0, 0, 0, 0, 23, 0, 0, 0, 0, 0] class = BENIGN
dst2src_stddev_ps <= 616.18 gini = 0.099 samples = 58 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 55, 2, 1] class = Web Attack - Brute Force
dst2src_stddev_ps <= 79.631 gini = 0.245 samples = 7 value = [6, 0, 0, 0, 0, 0, 0, 0, 0, 1, 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 = 4 value = [4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = BENIGN
gini = -0.0 samples = 13 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 13, 0, 0, 0] class = SSH-Patator
src2dst_mean_ps <= 88.0 gini = 0.5 samples = 2 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0] class = BENIGN
src2dst_min_piat_ms <= 0.5 gini = 0.278 samples = 6 value = [1, 0, 0, 0, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = DoS Hulk
gini = 0.0 samples = 22 value = [0, 0, 0, 22, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = DoS GoldenEye
src2dst_min_piat_ms <= 158.0 gini = 0.183 samples = 49 value = [44, 0, 0, 0, 0, 0, 0, 0, 0, 5, 0, 0, 0, 0, 0] class = BENIGN
gini = 0.0 samples = 18 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 18, 0, 0, 0, 0, 0] class = Infiltration
gini = 0.0 samples = 55 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 55, 0, 0] class = Web Attack - Brute Force
src2dst_mean_piat_ms <= 23.0 gini = 0.444 samples = 3 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 1] class = Web Attack - Sql Injection
gini = 0.0 samples = 1 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0] class = Infiltration
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, 0, 0, 0, 0, 1, 0, 0, 0] class = SSH-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 = 5 value = [0, 0, 0, 0, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = DoS Hulk
gini = 0.0 samples = 1 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = BENIGN
src2dst_mean_ps <= 361.562 gini = 0.083 samples = 46 value = [44, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0] class = BENIGN
gini = 0.0 samples = 3 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0, 0, 0, 0] class = Infiltration
gini = 0.0 samples = 2 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0] class = Web Attack - Sql Injection
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 = -0.0 samples = 37 value = [37, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = BENIGN
src2dst_max_piat_ms <= 381.5 gini = 0.346 samples = 9 value = [7, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0] class = BENIGN
gini = 0.0 samples = 7 value = [7, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0] class = BENIGN
gini = 0.0 samples = 2 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0] class = Infiltration