dst2src_rst_packets <= 1.5 gini = 0.906 samples = 6086 value = [626, 612, 554, 565, 560, 606, 602, 602, 11, 25 576, 593, 110, 11, 33] class = BENIGN
True
False
bidirectional_bytes <= 135.0 gini = 0.896 samples = 5481 value = [622, 612, 554, 565, 556, 606, 602, 8, 11, 25, 575 591, 110, 11, 33] class = BENIGN
src2dst_bytes <= 89.0 gini = 0.003 samples = 573 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 572, 0, 0, 0 0] class = PortScan
gini = 0.0 samples = 572 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 572, 0, 0, 0 0] class = PortScan
gini = 0.0 samples = 1 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_last_seen_ms <= 509414068.0 gini = 0.884 samples = 4908 value = [621, 612, 554, 565, 556, 606, 602, 8, 11, 25, 3 591, 110, 11, 33] class = BENIGN
src2dst_last_seen_ms <= 458023720.5 gini = 0.869 samples = 4344 value = [611, 612, 0, 565, 556, 606, 602, 8, 11, 25, 3 591, 110, 11, 33] class = Bot
src2dst_max_ps <= 700.5 gini = 0.85 samples = 3649 value = [531, 0, 0, 565, 556, 606, 602, 8, 11, 25, 0, 591 110, 11, 33] class = DoS Slowhttptest
dst2src_stddev_ps <= 1157.688 gini = 0.82 samples = 2991 value = [502, 0, 0, 557, 555, 606, 602, 8, 2, 2, 0, 3 110, 11, 33] class = DoS Slowhttptest
dst2src_first_seen_ms <= 316769537.5 gini = 0.728 samples = 1903 value = [498, 0, 0, 45, 1, 601, 601, 8, 0, 2, 0, 3, 108 8, 28] class = DoS Slowhttptest
bidirectional_first_seen_ms <= 284460436.5 gini = 0.455 samples = 907 value = [295, 0, 0, 0, 0, 0, 601, 8, 0, 0, 0, 3, 0, 0 0] class = DoS slowloris
src2dst_psh_packets <= 6.5 gini = 0.072 samples = 298 value = [287, 0, 0, 0, 0, 0, 0, 8, 0, 0, 0, 3, 0, 0 0] class = BENIGN
dst2src_rst_packets <= 0.5 gini = 0.021 samples = 287 value = [284, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0 0] class = BENIGN
gini = 0.0 samples = 279 value = [279, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
src2dst_last_seen_ms <= 205405436.0 gini = 0.469 samples = 8 value = [5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0 0] class = BENIGN
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 = 3 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0 0] class = SSH-Patator
src2dst_mean_piat_ms <= 670.944 gini = 0.397 samples = 11 value = [3, 0, 0, 0, 0, 0, 0, 8, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator
gini = 0.0 samples = 8 value = [0, 0, 0, 0, 0, 0, 0, 8, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator
gini = 0.0 samples = 3 value = [3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
src2dst_ack_packets <= 0.5 gini = 0.026 samples = 609 value = [8, 0, 0, 0, 0, 0, 601, 0, 0, 0, 0, 0, 0, 0 0] class = DoS slowloris
gini = 0.0 samples = 7 value = [7, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_bytes <= 10108.0 gini = 0.003 samples = 602 value = [1, 0, 0, 0, 0, 0, 601, 0, 0, 0, 0, 0, 0, 0 0] class = DoS slowloris
gini = -0.0 samples = 601 value = [0, 0, 0, 0, 0, 0, 601, 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
src2dst_last_seen_ms <= 318614426.0 gini = 0.58 samples = 996 value = [203, 0, 0, 45, 1, 601, 0, 0, 0, 2, 0, 0, 108 8, 28] class = DoS Slowhttptest
src2dst_psh_packets <= 0.5 gini = 0.016 samples = 606 value = [5, 0, 0, 0, 0, 601, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
gini = 0.0 samples = 4 value = [4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_packets <= 10.5 gini = 0.003 samples = 602 value = [1, 0, 0, 0, 0, 601, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
gini = -0.0 samples = 601 value = [0, 0, 0, 0, 0, 601, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
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 <= 140.333 gini = 0.647 samples = 390 value = [198, 0, 0, 45, 1, 0, 0, 0, 0, 2, 0, 0, 108 8, 28] class = BENIGN
dst2src_mean_ps <= 735.078 gini = 0.106 samples = 198 value = [187, 0, 0, 9, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0 0] class = BENIGN
src2dst_stddev_ps <= 150.848 gini = 0.021 samples = 186 value = [184, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0 0] class = BENIGN
gini = -0.0 samples = 180 value = [180, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_duration_ms <= 5620.0 gini = 0.444 samples = 6 value = [4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0 0] class = BENIGN
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 = 2 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0 0] class = Web Attack - Brute Force
bidirectional_stddev_ps <= 795.204 gini = 0.375 samples = 12 value = [3, 0, 0, 9, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
gini = 0.0 samples = 9 value = [0, 0, 0, 9, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
gini = 0.0 samples = 3 value = [3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_fin_packets <= 1.5 gini = 0.634 samples = 192 value = [11, 0, 0, 36, 1, 0, 0, 0, 0, 2, 0, 0, 106, 8 28] class = Web Attack - Brute Force
src2dst_last_seen_ms <= 370034965.5 gini = 0.1 samples = 38 value = [0, 0, 0, 36, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0 0] class = DoS GoldenEye
gini = 0.0 samples = 36 value = [0, 0, 0, 36, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
gini = 0.0 samples = 2 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0 0] class = Infiltration
bidirectional_first_seen_ms <= 402920662.5 gini = 0.485 samples = 154 value = [11, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 106, 8 28] class = Web Attack - Brute Force
bidirectional_min_ps <= 63.0 gini = 0.087 samples = 111 value = [4, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 106, 0 0] class = Web Attack - Brute Force
gini = 0.0 samples = 4 value = [4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_last_seen_ms <= 359401641.5 gini = 0.019 samples = 107 value = [0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 106, 0 0] class = Web Attack - Brute Force
gini = 0.0 samples = 1 value = [0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
gini = 0.0 samples = 106 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 106, 0 0] class = Web Attack - Brute Force
src2dst_mean_ps <= 203.15 gini = 0.515 samples = 43 value = [7, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 8 28] class = Web Attack - XSS
dst2src_mean_piat_ms <= 976.95 gini = 0.555 samples = 16 value = [7, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 8 1] class = Web Attack - Sql Injection
gini = 0.0 samples = 7 value = [7, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
src2dst_bytes <= 747.0 gini = 0.198 samples = 9 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 8 1] 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 = 8 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 8 0] class = Web Attack - Sql Injection
gini = 0.0 samples = 27 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 27] class = Web Attack - XSS
dst2src_first_seen_ms <= 319939396.5 gini = 0.519 samples = 1088 value = [4, 0, 0, 512, 554, 5, 1, 0, 2, 0, 0, 0, 2, 3 5] class = DoS Hulk
bidirectional_first_seen_ms <= 318374557.0 gini = 0.032 samples = 563 value = [2, 0, 0, 1, 554, 5, 1, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
src2dst_last_seen_ms <= 317002636.0 gini = 0.531 samples = 8 value = [2, 0, 0, 0, 0, 5, 1, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
bidirectional_stddev_ps <= 1042.764 gini = 0.444 samples = 3 value = [2, 0, 0, 0, 0, 0, 1, 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 = 1 value = [0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0 0] class = DoS slowloris
gini = 0.0 samples = 5 value = [0, 0, 0, 0, 0, 5, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
src2dst_rst_packets <= 0.5 gini = 0.004 samples = 555 value = [0, 0, 0, 1, 554, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
gini = 0.0 samples = 1 value = [0, 0, 0, 1, 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_first_seen_ms <= 327776278.0 gini = 0.052 samples = 525 value = [2, 0, 0, 511, 0, 0, 0, 0, 2, 0, 0, 0, 2, 3 5] class = DoS GoldenEye
gini = 0.0 samples = 511 value = [0, 0, 0, 511, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
src2dst_mean_ps <= 171.452 gini = 0.765 samples = 14 value = [2, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 2, 3 5] class = Web Attack - XSS
bidirectional_stddev_piat_ms <= 1433.027 gini = 0.719 samples = 8 value = [2, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 1, 3 0] class = Web Attack - Sql Injection
src2dst_rst_packets <= 1.0 gini = 0.64 samples = 5 value = [2, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 1, 0 0] class = BENIGN
dst2src_last_seen_ms <= 334868649.0 gini = 0.444 samples = 3 value = [0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 1, 0 0] class = Heartbleed
gini = 0.0 samples = 2 value = [0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0 0] class = Heartbleed
gini = 0.0 samples = 1 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0 0] class = Web Attack - Brute Force
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 = 3 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3 0] class = Web Attack - Sql Injection
dst2src_stddev_piat_ms <= 654.709 gini = 0.278 samples = 6 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0 5] class = Web Attack - XSS
gini = 0.0 samples = 1 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0 0] class = Web Attack - Brute Force
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
src2dst_max_ps <= 711.5 gini = 0.198 samples = 658 value = [29, 0, 0, 8, 1, 0, 0, 0, 9, 23, 0, 588, 0, 0 0] class = SSH-Patator
dst2src_psh_packets <= 4.0 gini = 0.003 samples = 588 value = [0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 587, 0, 0 0] class = SSH-Patator
gini = 0.0 samples = 1 value = [0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
gini = 0.0 samples = 587 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 587, 0, 0 0] class = SSH-Patator
dst2src_mean_ps <= 68.365 gini = 0.693 samples = 70 value = [29, 0, 0, 7, 1, 0, 0, 0, 9, 23, 0, 1, 0, 0 0] class = BENIGN
gini = 0.0 samples = 23 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 23, 0, 0, 0, 0 0] class = Infiltration
bidirectional_stddev_ps <= 1523.385 gini = 0.56 samples = 47 value = [29, 0, 0, 7, 1, 0, 0, 0, 9, 0, 0, 1, 0, 0 0] class = BENIGN
dst2src_stddev_ps <= 1580.453 gini = 0.263 samples = 34 value = [29, 0, 0, 3, 1, 0, 0, 0, 0, 0, 0, 1, 0, 0 0] class = BENIGN
dst2src_duration_ms <= 428.5 gini = 0.176 samples = 32 value = [29, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 1, 0, 0 0] class = BENIGN
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_bytes <= 1173.0 gini = 0.123 samples = 31 value = [29, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0 0] class = BENIGN
gini = 0.0 samples = 1 value = [0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
dst2src_mean_ps <= 184.643 gini = 0.064 samples = 30 value = [29, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0 0] class = BENIGN
bidirectional_mean_ps <= 164.774 gini = 0.32 samples = 5 value = [4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0 0] class = BENIGN
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 = 1 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0 0] class = SSH-Patator
gini = 0.0 samples = 25 value = [25, 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, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
dst2src_syn_packets <= 0.5 gini = 0.426 samples = 13 value = [0, 0, 0, 4, 0, 0, 0, 0, 9, 0, 0, 0, 0, 0 0] class = Heartbleed
gini = 0.0 samples = 9 value = [0, 0, 0, 0, 0, 0, 0, 0, 9, 0, 0, 0, 0, 0 0] class = Heartbleed
gini = 0.0 samples = 4 value = [0, 0, 0, 4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
dst2src_mean_ps <= 95.5 gini = 0.211 samples = 695 value = [80, 612, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0, 0 0] class = Bot
bidirectional_mean_ps <= 86.601 gini = 0.041 samples = 625 value = [12, 612, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0 0] class = Bot
bidirectional_duration_ms <= 163.5 gini = 0.153 samples = 12 value = [11, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 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 = 11 value = [11, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_psh_packets <= 1.0 gini = 0.003 samples = 613 value = [1, 612, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = Bot
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 = 612 value = [0, 612, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = Bot
bidirectional_stddev_ps <= 1554.993 gini = 0.056 samples = 70 value = [68, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0 0] class = BENIGN
gini = -0.0 samples = 68 value = [68, 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, 0, 2, 0, 0, 0 0] class = PortScan
bidirectional_bytes <= 7068.0 gini = 0.035 samples = 564 value = [10, 0, 554, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DDoS
gini = -0.0 samples = 10 value = [10, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 554 value = [0, 0, 554, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DDoS
dst2src_ack_packets <= 9.5 gini = 0.036 samples = 605 value = [4, 0, 0, 0, 4, 0, 0, 594, 0, 0, 1, 2, 0, 0 0] class = FTP-Patator
bidirectional_stddev_ps <= 654.323 gini = 0.694 samples = 11 value = [4, 0, 0, 0, 4, 0, 0, 0, 0, 0, 1, 2, 0, 0 0] class = BENIGN
dst2src_stddev_piat_ms <= 2.056 gini = 0.571 samples = 7 value = [4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 2, 0, 0 0] class = BENIGN
src2dst_last_seen_ms <= 248134314.0 gini = 0.444 samples = 3 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 2, 0, 0 0] class = SSH-Patator
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 = 1 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 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
gini = 0.0 samples = 4 value = [0, 0, 0, 0, 4, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
gini = 0.0 samples = 594 value = [0, 0, 0, 0, 0, 0, 0, 594, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator