dst2src_stddev_ps <= 878.367 gini = 0.905 samples = 6087 value = [583, 580, 572, 649, 604, 560, 571, 588, 10, 25 584, 616, 119, 11, 15] class = DoS GoldenEye
True
False
dst2src_psh_packets <= 14.0 gini = 0.87 samples = 4275 value = [572, 580, 5, 28, 8, 560, 571, 588, 5, 25, 584 616, 113, 5, 15] class = SSH-Patator
src2dst_psh_packets <= 0.5 gini = 0.845 samples = 3586 value = [567, 580, 5, 28, 8, 560, 571, 588, 0, 25, 584 12, 51, 5, 2] class = FTP-Patator
src2dst_syn_packets <= 0.5 gini = 0.491 samples = 1030 value = [446, 0, 0, 0, 0, 0, 0, 0, 0, 0, 584, 0, 0, 0 0] class = PortScan
src2dst_bytes <= 62.5 gini = 0.092 samples = 456 value = [434, 0, 0, 0, 0, 0, 0, 0, 0, 0, 22, 0, 0, 0 0] class = BENIGN
src2dst_last_seen_ms <= 406993790.5 gini = 0.403 samples = 68 value = [49, 0, 0, 0, 0, 0, 0, 0, 0, 0, 19, 0, 0, 0 0] class = BENIGN
gini = -0.0 samples = 40 value = [40, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
src2dst_last_seen_ms <= 424928395.0 gini = 0.436 samples = 28 value = [9, 0, 0, 0, 0, 0, 0, 0, 0, 0, 19, 0, 0, 0 0] class = PortScan
gini = 0.0 samples = 19 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 19, 0, 0, 0 0] class = PortScan
gini = 0.0 samples = 9 value = [9, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_max_ps <= 1499.0 gini = 0.015 samples = 388 value = [385, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0, 0 0] class = BENIGN
bidirectional_bytes <= 85.0 gini = 0.01 samples = 382 value = [380, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0 0] class = BENIGN
bidirectional_first_seen_ms <= 497688353.0 gini = 0.137 samples = 27 value = [25, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 23 value = [23, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
src2dst_last_seen_ms <= 507377489.0 gini = 0.5 samples = 4 value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 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
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 = 355 value = [355, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_ack_packets <= 1.5 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 = 5 value = [5, 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_max_piat_ms <= 26.5 gini = 0.041 samples = 574 value = [12, 0, 0, 0, 0, 0, 0, 0, 0, 0, 562, 0, 0, 0 0] class = PortScan
bidirectional_mean_piat_ms <= 0.667 gini = 0.007 samples = 564 value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 562, 0, 0, 0 0] class = PortScan
gini = 0.0 samples = 541 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 541, 0, 0, 0 0] class = PortScan
src2dst_last_seen_ms <= 502514501.5 gini = 0.159 samples = 23 value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 21, 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 = 21 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 21, 0, 0, 0 0] class = PortScan
gini = 0.0 samples = 10 value = [10, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_last_seen_ms <= 456207891.0 gini = 0.795 samples = 2556 value = [121, 580, 5, 28, 8, 560, 571, 588, 0, 25, 0, 12 51, 5, 2] class = FTP-Patator
bidirectional_first_seen_ms <= 236911440.5 gini = 0.738 samples = 1956 value = [106, 0, 0, 28, 8, 560, 571, 588, 0, 25, 0, 12 51, 5, 2] class = FTP-Patator
bidirectional_stddev_ps <= 16.871 gini = 0.122 samples = 629 value = [41, 0, 0, 0, 0, 0, 0, 588, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator
bidirectional_last_seen_ms <= 188507064.0 gini = 0.007 samples = 590 value = [2, 0, 0, 0, 0, 0, 0, 588, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator
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 = 588 value = [0, 0, 0, 0, 0, 0, 0, 588, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator
gini = 0.0 samples = 39 value = [39, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
src2dst_first_seen_ms <= 316952070.5 gini = 0.632 samples = 1327 value = [65, 0, 0, 28, 8, 560, 571, 0, 0, 25, 0, 12, 51 5, 2] class = DoS slowloris
dst2src_first_seen_ms <= 281816949.0 gini = 0.096 samples = 601 value = [13, 0, 0, 0, 0, 5, 571, 0, 0, 0, 0, 12, 0, 0 0] class = DoS slowloris
src2dst_mean_ps <= 141.714 gini = 0.5 samples = 24 value = [12, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 12, 0, 0 0] class = BENIGN
bidirectional_mean_piat_ms <= 0.25 gini = 0.153 samples = 12 value = [11, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 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 = 11 value = [11, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
src2dst_duration_ms <= 33695.0 gini = 0.153 samples = 12 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 11, 0, 0 0] class = SSH-Patator
gini = -0.0 samples = 11 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 11, 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
src2dst_max_ps <= 445.5 gini = 0.021 samples = 577 value = [1, 0, 0, 0, 0, 5, 571, 0, 0, 0, 0, 0, 0, 0 0] class = DoS slowloris
gini = -0.0 samples = 571 value = [0, 0, 0, 0, 0, 0, 571, 0, 0, 0, 0, 0, 0, 0 0] class = DoS slowloris
bidirectional_mean_ps <= 230.373 gini = 0.278 samples = 6 value = [1, 0, 0, 0, 0, 5, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
gini = -0.0 samples = 5 value = [0, 0, 0, 0, 0, 5, 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_last_seen_ms <= 318391828.0 gini = 0.403 samples = 726 value = [52, 0, 0, 28, 8, 555, 0, 0, 0, 25, 0, 0, 51 5, 2] class = DoS Slowhttptest
src2dst_min_ps <= 63.0 gini = 0.011 samples = 558 value = [3, 0, 0, 0, 0, 555, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
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 = 555 value = [0, 0, 0, 0, 0, 555, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
dst2src_min_piat_ms <= 0.5 gini = 0.77 samples = 168 value = [49, 0, 0, 28, 8, 0, 0, 0, 0, 25, 0, 0, 51, 5 2] class = Web Attack - Brute Force
src2dst_mean_ps <= 238.321 gini = 0.694 samples = 102 value = [42, 0, 0, 28, 8, 0, 0, 0, 0, 24, 0, 0, 0, 0 0] class = BENIGN
src2dst_min_piat_ms <= 2023.0 gini = 0.172 samples = 43 value = [39, 0, 0, 1, 0, 0, 0, 0, 0, 3, 0, 0, 0, 0 0] class = BENIGN
dst2src_fin_packets <= 0.5 gini = 0.135 samples = 42 value = [39, 0, 0, 1, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0 0] class = BENIGN
gini = -0.0 samples = 34 value = [34, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_mean_piat_ms <= 2859.533 gini = 0.531 samples = 8 value = [5, 0, 0, 1, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0 0] class = BENIGN
dst2src_first_seen_ms <= 324152060.0 gini = 0.278 samples = 6 value = [5, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 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
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 = 2 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0 0] class = Infiltration
gini = 0.0 samples = 1 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0 0] class = Infiltration
bidirectional_first_seen_ms <= 414598403.5 gini = 0.643 samples = 59 value = [3, 0, 0, 27, 8, 0, 0, 0, 0, 21, 0, 0, 0, 0 0] class = DoS GoldenEye
src2dst_mean_ps <= 1299.917 gini = 0.418 samples = 37 value = [2, 0, 0, 27, 8, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
bidirectional_mean_ps <= 203.75 gini = 0.069 samples = 28 value = [1, 0, 0, 27, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
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 = 27 value = [0, 0, 0, 27, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
bidirectional_max_ps <= 3671.0 gini = 0.198 samples = 9 value = [1, 0, 0, 0, 8, 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
gini = 0.0 samples = 8 value = [0, 0, 0, 0, 8, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
dst2src_stddev_ps <= 327.244 gini = 0.087 samples = 22 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 21, 0, 0, 0, 0 0] class = Infiltration
gini = 0.0 samples = 21 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 21, 0, 0, 0, 0 0] class = Infiltration
gini = 0.0 samples = 1 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_bytes <= 2254.5 gini = 0.385 samples = 66 value = [7, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 51, 5 2] class = Web Attack - Brute Force
src2dst_duration_ms <= 48.5 gini = 0.073 samples = 53 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 51, 1 1] class = Web Attack - Brute Force
bidirectional_last_seen_ms <= 404559427.0 gini = 0.5 samples = 2 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1 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 = 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 = 51 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 51, 0 0] class = Web Attack - Brute Force
src2dst_stddev_ps <= 216.859 gini = 0.604 samples = 13 value = [7, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 4 1] 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
src2dst_bytes <= 1297.0 gini = 0.5 samples = 6 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 4 1] class = Web Attack - Sql Injection
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
dst2src_syn_packets <= 0.0 gini = 0.5 samples = 2 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0 1] class = Infiltration
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 = 1 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 1] class = Web Attack - XSS
bidirectional_first_seen_ms <= 493874141.0 gini = 0.065 samples = 600 value = [15, 580, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = Bot
bidirectional_ack_packets <= 5.0 gini = 0.003 samples = 581 value = [1, 580, 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 = 580 value = [0, 580, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = Bot
src2dst_bytes <= 8930.5 gini = 0.388 samples = 19 value = [14, 0, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 14 value = [14, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 5 value = [0, 0, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DDoS
bidirectional_max_ps <= 1087.5 gini = 0.223 samples = 689 value = [5, 0, 0, 0, 0, 0, 0, 0, 5, 0, 0, 604, 62, 0 13] class = SSH-Patator
gini = -0.0 samples = 604 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 604, 0, 0 0] class = SSH-Patator
bidirectional_max_ps <= 1309.5 gini = 0.438 samples = 85 value = [5, 0, 0, 0, 0, 0, 0, 0, 5, 0, 0, 0, 62, 0 13] class = Web Attack - Brute Force
gini = 0.0 samples = 62 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 62, 0 0] class = Web Attack - Brute Force
dst2src_mean_ps <= 1527.97 gini = 0.586 samples = 23 value = [5, 0, 0, 0, 0, 0, 0, 0, 5, 0, 0, 0, 0, 0 13] class = Web Attack - XSS
bidirectional_max_ps <= 10008.0 gini = 0.5 samples = 10 value = [5, 0, 0, 0, 0, 0, 0, 0, 5, 0, 0, 0, 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 = 5 value = [0, 0, 0, 0, 0, 0, 0, 0, 5, 0, 0, 0, 0, 0 0] class = Heartbleed
gini = 0.0 samples = 13 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 13] class = Web Attack - XSS
dst2src_mean_piat_ms <= 798.75 gini = 0.676 samples = 1812 value = [11, 0, 567, 621, 596, 0, 0, 0, 5, 0, 0, 0, 6 6, 0] class = DoS GoldenEye
src2dst_first_seen_ms <= 457589036.0 gini = 0.511 samples = 1176 value = [3, 0, 567, 0, 596, 0, 0, 0, 5, 0, 0, 0, 4, 1 0] class = DoS Hulk
dst2src_fin_packets <= 0.5 gini = 0.042 samples = 609 value = [3, 0, 0, 0, 596, 0, 0, 0, 5, 0, 0, 0, 4, 1 0] class = DoS Hulk
src2dst_psh_packets <= 79.0 gini = 0.645 samples = 11 value = [1, 0, 0, 0, 0, 0, 0, 0, 5, 0, 0, 0, 4, 1 0] class = Heartbleed
src2dst_stddev_piat_ms <= 2032.506 gini = 0.5 samples = 6 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 4, 1 0] class = Web Attack - Brute Force
gini = 0.0 samples = 4 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 4, 0 0] class = Web Attack - Brute Force
src2dst_mean_ps <= 82.733 gini = 0.5 samples = 2 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1 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, 1 0] class = Web Attack - Sql Injection
gini = 0.0 samples = 5 value = [0, 0, 0, 0, 0, 0, 0, 0, 5, 0, 0, 0, 0, 0 0] class = Heartbleed
bidirectional_min_ps <= 63.0 gini = 0.007 samples = 598 value = [2, 0, 0, 0, 596, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
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 = 596 value = [0, 0, 0, 0, 596, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
gini = 0.0 samples = 567 value = [0, 0, 567, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DDoS
dst2src_psh_packets <= 3.0 gini = 0.046 samples = 636 value = [8, 0, 0, 621, 0, 0, 0, 0, 0, 0, 0, 0, 2, 5 0] class = DoS GoldenEye
dst2src_first_seen_ms <= 362888053.0 gini = 0.016 samples = 626 value = [0, 0, 0, 621, 0, 0, 0, 0, 0, 0, 0, 0, 0, 5 0] class = DoS GoldenEye
gini = -0.0 samples = 621 value = [0, 0, 0, 621, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
gini = 0.0 samples = 5 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 5 0] class = Web Attack - Sql Injection
dst2src_psh_packets <= 11.5 gini = 0.32 samples = 10 value = [8, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 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 = 2 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0 0] class = Web Attack - Brute Force