特征

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 顺序 | 特征描述 | 变量 | Bayes | NN | 说明 |  |
| 1 |  | 5均线大于10均线天数 | d\_day\_bigs | 取消 |  |  |  |
| 2 |  | 与20天均线距离 | d\_dis\_to\_20 | (0.163, 2.165] 0.944464 0.055536 2791  (2.165, 4.146] 0.897865 0.102135 14706  (4.146, 6.128] 0.863652 0.136348 17668  (6.128, 8.11] 0.849329 0.150671 13785  (8.11, 10.092] 0.845239 0.154761 9505  (10.092, 12.073] 0.858223 0.141777 6348  (12.073, 14.055] 0.867435 0.132565 4164  (14.055, 16.037] 0.872900 0.127100 2738  (16.037, 18.018] 0.888041 0.111959 1572  (18.018, 20.0] 0.889468 0.110532 959 |  |  |  |
| 3 |  | 5日内多次出现 | d\_multi\_510 |  |  |  |  |
| 4 |  | 多方炮 | d\_multi\_pao |  |  |  |  |
| 5 |  | 日线噪音（光滑度？） | d\_noise | (0.0255, 0.0751] 0.818282 0.181718 908  (0.0751, 0.124] 0.847377 0.152623 8806  (0.124, 0.173] 0.863710 0.136290 15445  (0.173, 0.222] 0.866537 0.133463 14858  (0.222, 0.272] 0.879952 0.120048 11687  (0.272, 0.321] 0.884173 0.115827 8694  (0.321, 0.37] 0.884185 0.115815 6260  (0.37, 0.419] 0.884292 0.115708 4399  (0.419, 0.468] 0.885502 0.114498 2690  (0.468, 0.517] 0.870714 0.129286 1400 |  | 归一 |  |
| 6 |  | 180天内与最高价距离 | d\_dis\_to\_180 | (0.406, 0.466] 0.926829 0.073171 697  (0.466, 0.526] 0.899642 0.100358 1116  (0.526, 0.585] 0.902626 0.097374 1828  (0.585, 0.644] 0.890368 0.109632 2855  (0.644, 0.704] 0.896468 0.103532 4530  (0.704, 0.763] 0.911000 0.089000 6382  (0.763, 0.822] 0.909156 0.090844 8366  (0.822, 0.881] 0.908698 0.091302 10405  (0.881, 0.941] 0.912876 0.087124 12201  (0.941, 1.0] 0.881573 0.118427 28127 |  | 无效 |  |
| 7 |  | 实体在5日线上的天数比例 | d\_scale\_big\_5 |  |  |  |  |
| 8 |  | 日线macd长度 | d\_macd\_len |  |  |  |  |
| 9 |  | 日线diff长度 | d\_diff\_len |  |  |  |  |
| 10 |  | 日线dea长度 | d\_dea\_len |  |  |  |  |
| 11 |  | 日线周期内涨天数比例 | d\_red\_radio |  |  |  |  |
| 12 |  | 日线连阳天数 | d\_conti\_red\_days |  |  |  |  |
| 13 |  | 日线量能：与5日线比较 | d\_volume | (0.0396, 0.282] 0.971429 0.028571 35  (0.282, 0.522] 0.929548 0.070452 951  (0.522, 0.762] 0.900011 0.099989 9361  (0.762, 1.002] 0.872827 0.127173 21113  (1.002, 1.242] 0.855837 0.144163 18604  (1.242, 1.481] 0.854559 0.145441 11723  (1.481, 1.721] 0.862239 0.137761 6700  (1.721, 1.961] 0.874189 0.125811 3545  (1.961, 2.201] 0.874589 0.125411 1826  (2.201, 2.441] 0.906762 0.093238 976 |  |  |  |
| 14 |  | 最近5日量能 vs mean | d\_volume\_power | (0.0619, 0.58] 0.874930 0.125070 5333  (0.58, 1.093] 0.867202 0.132798 26175  (1.093, 1.606] 0.863281 0.136719 20831  (1.606, 2.119] 0.864969 0.135031 11390  (2.119, 2.633] 0.875133 0.124867 5646  (2.633, 3.146] 0.886236 0.113764 2848  (3.146, 3.659] 0.912342 0.087658 1426  (3.659, 4.172] 0.904229 0.095771 804  (4.172, 4.685] 0.928994 0.071006 507  (4.685, 5.198] 0.923780 0.076220 328 |  |  |  |
| 15 |  | 日线起步前5日线斜率以及10日线斜率差  注意：可能提前5日，线还是往上，但实际是个坑 | d\_start\_slope | (-0.3, -0.277] 0.875995 0.124005 3895  (-0.277, -0.253] 0.866695 0.133305 11860  (-0.253, -0.23] 0.867309 0.132691 17115  (-0.23, -0.206] 0.871165 0.128835 14243  (-0.206, -0.183] 0.867285 0.132715 10790  (-0.183, -0.16] 0.869384 0.130616 6967  (-0.16, -0.136] 0.875734 0.124266 4595  (-0.136, -0.113] 0.872600 0.127400 2865  (-0.113, -0.0894] 0.881871 0.118129 1710  (-0.0894, -0.066] 0.900628 0.099372 956 |  | 归一 |  |
| 16 |  | 第一天涨幅 | d\_zhangfu1 | (-3.812, -2.317] 0.867059 0.132941 1700  (-2.317, -0.838] 0.866413 0.133587 6565  (-0.838, 0.642] 0.882551 0.117449 19566  (0.642, 2.122] 0.872825 0.127175 20751  (2.122, 3.602] 0.860918 0.139082 11806  (3.602, 5.081] 0.861343 0.138657 6462  (5.081, 6.561] 0.854409 0.145591 2926  (6.561, 8.041] 0.854363 0.145637 1593  (8.041, 9.52] 0.855007 0.144993 669  (9.52, 11.0] 0.870737 0.129263 3079 |  |  |  |
| 17 |  | 第二天涨幅 | d\_zhangfu2 | (-4.324, -2.796] 0.863388 0.136612 2379  (-2.796, -1.283] 0.872049 0.127951 7964  (-1.283, 0.229] 0.880384 0.119616 21151  (0.229, 1.742] 0.872571 0.127429 21714  (1.742, 3.255] 0.864115 0.135885 10737  (3.255, 4.768] 0.850412 0.149588 4860  (4.768, 6.281] 0.849057 0.150943 2703  (6.281, 7.793] 0.859926 0.140074 1078  (7.793, 9.306] 0.814433 0.185567 485  (9.306, 10.819] 0.866957 0.133043 1834 |  |  |  |
| 18 |  | 第三天涨幅 | d\_zhangfu3 | (-7.599, -5.53] 0.851485 0.148515 404  (-5.53, -3.481] 0.873329 0.126671 1571  (-3.481, -1.431] 0.870474 0.129526 8562  (-1.431, 0.618] 0.875546 0.124454 28838  (0.618, 2.667] 0.869949 0.130051 21976  (2.667, 4.716] 0.861886 0.138114 8283  (4.716, 6.765] 0.850924 0.149076 3193  (6.765, 8.815] 0.847115 0.152885 1040  (8.815, 10.864] 0.872538 0.127462 1828 |  |  |  |
| 19 |  | Max\_MACD | d\_max\_macd | (0.00272, 0.132] 0.887849 0.112151 19554  (0.132, 0.259] 0.869622 0.130378 19942  (0.259, 0.387] 0.866732 0.133268 11203  (0.387, 0.514] 0.858660 0.141340 6969  (0.514, 0.642] 0.860476 0.139524 4372  (0.642, 0.77] 0.859242 0.140758 3062  (0.77, 0.897] 0.857464 0.142536 2224  (0.897, 1.025] 0.861717 0.138283 1468  (1.025, 1.152] 0.850546 0.149454 1191  (1.152, 1.28] 0.856517 0.143483 913 |  |  |  |
| 20 |  | 当前macd | d\_curr\_macd | (-0.0123, 0.0202] 0.890813 0.109187 6063  (0.0202, 0.0524] 0.871642 0.128358 14257  (0.0524, 0.0846] 0.866700 0.133300 11943  (0.0846, 0.117] 0.868221 0.131779 8795  (0.117, 0.149] 0.865230 0.134770 6819  (0.149, 0.181] 0.863803 0.136197 4912  (0.181, 0.213] 0.865436 0.134564 3738  (0.213, 0.246] 0.881222 0.118778 2913  (0.246, 0.278] 0.874733 0.125267 2339  (0.278, 0.31] 0.864256 0.135744 1908 |  | 无效 |  |
| 21 |  | MACD最大值 vs mean | d\_macd\_max\_vs\_mean | (0.372, 0.607] 0.858407 0.141593 113  (0.607, 0.839] 0.872845 0.127155 464  (0.839, 1.072] 0.861386 0.138614 1111  (1.072, 1.304] 0.874501 0.125499 3506  (1.304, 1.537] 0.864462 0.135538 20378  (1.537, 1.77] 0.868183 0.131817 24094  (1.77, 2.002] 0.872555 0.127445 14108  (2.002, 2.235] 0.873705 0.126295 6469  (2.235, 2.467] 0.889766 0.110234 2912  (2.467, 2.7] 0.892050 0.107950 1371 |  |  |  |
| 22 |  | 当前DEA | d\_curr\_dea | (-0.0583, 0.0687] 0.898614 0.101386 16817  (0.0687, 0.194] 0.873659 0.126341 21537  (0.194, 0.32] 0.863292 0.136708 12011  (0.32, 0.446] 0.859997 0.140003 7057  (0.446, 0.571] 0.847274 0.152726 4256  (0.571, 0.697] 0.854886 0.145114 3039  (0.697, 0.823] 0.835814 0.164186 2083  (0.823, 0.949] 0.833227 0.166773 1565  (0.949, 1.074] 0.864086 0.135914 1214  (1.074, 1.2] 0.865574 0.134426 915 |  |  |  |
| 23 |  | 5日线上/ 10日线下 | d\_up\_down\_radio | 四舍五入取整 |  | 无 |  |
| 24 |  | 当日实体长度 | d\_solid\_len | (0.0824, 1.36] 0.917995 0.082005 7902  (1.36, 2.624] 0.877394 0.122606 19004  (2.624, 3.889] 0.847825 0.152175 16757  (3.889, 5.153] 0.841711 0.158289 11757  (5.153, 6.418] 0.841740 0.158260 7197  (6.418, 7.683] 0.853438 0.146562 4319  (7.683, 8.947] 0.871749 0.128251 2768  (8.947, 10.212] 0.935606 0.064394 3168  (10.212, 11.476] 0.958669 0.041331 1863  (11.476, 12.741] 0.947452 0.052548 628 |  |  |  |
| 25 |  | 当日涨停 | d\_zt |  |  |  |  |
| 26 |  | 当日上影线长度 | d\_sy\_len | 四舍五入取整,先\*10 |  |  |  |
| 27 |  | 当日下影线长度 | d\_xy\_len | 四舍五入取整,先\*10 |  |  |  |
| 28 |  | 日线5-10最大差值 | d\_ma510\_max | (0.000641, 0.0369] 0.865990 0.134010 8574  (0.0369, 0.0728] 0.868321 0.131679 18173  (0.0728, 0.109] 0.862347 0.137653 15648  (0.109, 0.145] 0.868467 0.131533 11556  (0.145, 0.18] 0.874790 0.125210 7739  (0.18, 0.216] 0.878381 0.121619 4843  (0.216, 0.252] 0.867900 0.132100 3081  (0.252, 0.288] 0.885507 0.114493 2070  (0.288, 0.324] 0.903107 0.096893 1352  (0.324, 0.36] 0.873418 0.126582 948 |  | 看不出效果 |  |
| 29 |  | 日线当日一阳多线 | d\_yydx |  |  |  |  |
| 30 |  | 5日线与10日线距离 | d\_dis\_btn510 | (0.0854, 1.358] 0.919950 0.080050 7208  (1.358, 2.618] 0.880998 0.119002 17714  (2.618, 3.878] 0.850768 0.149232 16156  (3.878, 5.138] 0.841459 0.158541 11650  (5.138, 6.398] 0.842686 0.157314 7609  (6.398, 7.659] 0.845963 0.154037 4830  (7.659, 8.919] 0.855904 0.144096 2998  (8.919, 10.179] 0.911491 0.088509 2576  (10.179, 11.439] 0.942201 0.057799 2526  (11.439, 12.699] 0.928248 0.071752 1324 |  |  |  |
| 31 |  | 收盘价vs180天最低价 | d\_dis\_to\_180low | (1.016, 1.183] 0.932165 0.067835 14432  (1.183, 1.348] 0.906997 0.093003 25139  (1.348, 1.513] 0.887570 0.112430 14907  (1.513, 1.678] 0.877033 0.122967 8116  (1.678, 1.842] 0.878250 0.121750 4616  (1.842, 2.007] 0.881753 0.118247 2943  (2.007, 2.172] 0.873729 0.126271 1869  (2.172, 2.337] 0.865263 0.134737 1425  (2.337, 2.502] 0.853896 0.146104 924  (2.502, 2.667] 0.870015 0.129985 677 |  |  |  |
| 32 |  | 3日5日均线斜率，3日10天线斜率 | d\_end\_slope | (-0.239, -0.173] 0.938751 0.061249 849  (-0.173, -0.107] 0.933997 0.066003 1909  (-0.107, -0.0418] 0.926042 0.073958 6693  (-0.0418, 0.0236] 0.897512 0.102488 38463  (0.0236, 0.089] 0.886805 0.113195 18128  (0.089, 0.154] 0.888976 0.111024 5125  (0.154, 0.22] 0.880915 0.119085 1923  (0.22, 0.285] 0.882595 0.117405 971  (0.285, 0.351] 0.874558 0.125442 566  (0.351, 0.416] 0.895349 0.104651 344 |  |  |  |
| 33 |  | 涨跌量vs总量 | d\_vol\_zd | (-0.332, -0.217] 0.943567 0.056433 443  (-0.217, -0.103] 0.885533 0.114467 1258  (-0.103, 0.0113] 0.892712 0.107288 3197  (0.0113, 0.125] 0.885005 0.114995 7209  (0.125, 0.24] 0.870470 0.129530 12885  (0.24, 0.354] 0.867916 0.132084 17769  (0.354, 0.468] 0.862438 0.137562 16916  (0.468, 0.582] 0.861502 0.138498 10520  (0.582, 0.696] 0.877018 0.122982 4212  (0.696, 0.81] 0.862689 0.137311 1056 |  | (涨量-跌量)/总量 |  |
| 34 |  | 最后一根是否是第一根阳线 | d\_only\_1yang |  |  |  |  |
| 35 |  | 日线实体在5日线天数 | d\_days\_under\_ma5 | 取消 |  | 取消 |  |
| 36 |  | 日线5-10日最大差值跟平均值比较 | d\_510\_max\_vs\_mean | (1.237, 1.451] 0.884802 0.115198 1033  (1.451, 1.662] 0.875995 0.124005 7540  (1.662, 1.874] 0.868521 0.131479 16786  (1.874, 2.086] 0.868790 0.131210 18520  (2.086, 2.298] 0.866439 0.133561 13170  (2.298, 2.509] 0.871097 0.128903 8518  (2.509, 2.721] 0.877604 0.122396 5041  (2.721, 2.933] 0.877744 0.122256 2642  (2.933, 3.144] 0.859559 0.140441 1360  (3.144, 3.356] 0.868421 0.131579 646 |  |  |  |
| 37 |  | 收盘5-10差值vs平均值 | d\_510\_curr\_vs\_mean | (-0.0023, 0.23] 0.867625 0.132375 31524  (0.23, 0.46] 0.856023 0.143977 13773  (0.46, 0.691] 0.862858 0.137142 10274  (0.691, 0.921] 0.870760 0.129240 7459  (0.921, 1.151] 0.882857 0.117143 4789  (1.151, 1.381] 0.894291 0.105709 3188  (1.381, 1.611] 0.897566 0.102434 1972  (1.611, 1.842] 0.922015 0.077985 1231  (1.842, 2.072] 0.906911 0.093089 709  (2.072, 2.302] 0.924138 0.075862 435 |  |  |  |
| 38 |  | 日线5-10日天数内的最高点位置 | d\_510\_max\_pos | (0.0521, 0.148] 0.857902 0.142098 753  (0.148, 0.242] 0.868154 0.131846 4528  (0.242, 0.337] 0.863987 0.136013 9602  (0.337, 0.432] 0.869102 0.130898 9198  (0.432, 0.526] 0.854714 0.145286 10882  (0.526, 0.621] 0.863146 0.136854 11209  (0.621, 0.716] 0.868480 0.131520 10295  (0.716, 0.811] 0.882341 0.117659 9519  (0.811, 0.905] 0.887401 0.112599 7318  (0.905, 1.0] 0.914145 0.085855 2644 |  |  |  |
| 39 |  | 后4天平均振幅 vs 总体平均振幅 | d\_zf\_4d\_vs\_mean | (0.00256, 0.0475] 0.846495 0.153505 1127  (0.0475, 0.092] 0.859253 0.140747 9002  (0.092, 0.136] 0.856316 0.143684 15381  (0.136, 0.181] 0.863966 0.136034 15849  (0.181, 0.225] 0.871769 0.128231 11994  (0.225, 0.27] 0.876473 0.123527 8913  (0.27, 0.314] 0.885417 0.114583 5568  (0.314, 0.359] 0.897067 0.102933 3546  (0.359, 0.403] 0.897744 0.102256 1995  (0.403, 0.448] 0.925000 0.075000 1240 |  |  |  |
| 40 |  | 周期内的最大跌幅 | d\_biggest\_yin | (-9.34, -8.398] 0.893761 0.106239 1186  (-8.398, -7.465] 0.885934 0.114066 1692  (-7.465, -6.532] 0.872038 0.127962 2743  (-6.532, -5.599] 0.869683 0.130317 4044  (-5.599, -4.666] 0.868045 0.131955 7207  (-4.666, -3.732] 0.860536 0.139464 10483  (-3.732, -2.799] 0.859123 0.140877 15297  (-2.799, -1.866] 0.864043 0.135957 17557  (-1.866, -0.933] 0.883744 0.116256 11294  (-0.933, 0.0] 0.920168 0.079832 1428 |  |  |  |
| 41 |  | 最大阴线解套 | d\_biggest\_yin\_jietao |  |  |  |  |
| 42 |  | 日线相似度 | d\_dtw |  |  |  |  |
| 43 |  | 最近一个涨停前面是阴线 | d\_yin\_zt |  |  |  |  |
| 44 |  | 2阴+2阳 | d\_2yin\_2yang |  |  |  |  |
| 45 |  | 阳+阴+阳阳 | d\_1yang\_1yin\_2yang |  |  |  |  |
| 46 |  | 2阴+1阳 | d\_2yin\_1yang |  |  |  |  |
| 47 |  | 日线ma5最后2天角度 | d\_ma510\_angle |  |  | 归一 |  |
| 48 |  | 最长连阴天数 | d\_conti\_yin\_days |  |  |  |  |
| 49 |  | 连阴不破前面阳线开盘价 | D\_conti\_yin\_no\_broken |  |  |  |  |
| 50 |  |  |  |  |  |  |  |
| 51 |  |  |  |  |  |  |  |
| 52 |  |  |  |  |  |  |  |
| 53 |  | 小时线多方炮 | h\_multi\_pao |  |  |  |  |
| 54 |  | 小时线反多方炮 | h\_multi\_pao\_rev |  |  |  |  |
| 55 |  | 小时线粘合度 | h\_nianhe | (-0.000571, 0.0571] 0.866529 0.133471 53817  (0.0571, 0.114] 0.876974 0.123026 5129  (0.114, 0.171] 0.874874 0.125126 3956  (0.171, 0.228] 0.876770 0.123230 3319  (0.228, 0.286] 0.877298 0.122702 2502  (0.286, 0.343] 0.890719 0.109281 2004  (0.343, 0.4] 0.889979 0.110021 1427  (0.4, 0.457] 0.904678 0.095322 1133  (0.457, 0.514] 0.879490 0.120510 863  (0.514, 0.571] 0.891379 0.108621 580  (-0.05, 2.5] 0.805749 0.194251 1148  (2.5, 5.0] 0.768707 0.231293 6027  (5.0, 7.5] 0.746769 0.253231 5880  (7.5, 10.0] 0.722733 0.277267 10012  (10.0, 12.5] 0.716134 0.283866 6415  (12.5, 15.0] 0.703848 0.296152 8705  (15.0, 17.5] 0.685353 0.314647 5066  (17.5, 20.0] 0.679810 0.320190 6315  (20.0, 22.5] 0.686224 0.313776 3528  (22.5, 25.0] 0.668124 0.331876 4345  (25.0, 27.5] 0.640879 0.359121 2456  (27.5, 30.0] 0.655527 0.344473 3112  (30.0, 32.5] 0.644628 0.355372 1694  (32.5, 35.0] 0.601650 0.398350 2061  (35.0, 37.5] 0.612263 0.387737 1109  (37.5, 40.0] 0.611732 0.388268 1432  (40.0, 42.5] 0.611449 0.388551 821  (42.5, 45.0] 0.592233 0.407767 1030  (45.0, 47.5] 0.575652 0.424348 575  (47.5, 50.0] 0.582973 0.417027 693 |  | 归一  不归一,离散 |  |
| 56 |  | 小时线MACD红天数 | h\_macd\_red\_days |  |  |  |  |
| 57 |  | 小时线阴不破5日线天数 | h\_yin\_days |  |  |  |  |
| 58 |  | 小时线连阳且低点大于5日线 | h\_cont\_red\_days |  |  |  |  |
| 59 |  | 小时线5日线上天数（OC) | h\_big\_5\_days |  |  |  |  |
| 60 |  | 小时线都在5日线上(LOW) | h\_is\_big\_ma5 |  |  |  |  |
| 61 |  | 小时线收盘价实体与前一根实体比较（实体长度比较） | h\_shiti |  |  |  |  |
| 62 |  | 小时线一阳多线次数 | h\_cross\_all\_times |  |  |  |  |
| 63 |  | 小时线最后一根K线与5日线关系：开盘>5日1，收盘<5日->1；开盘>5日，收盘>5日->2；开盘<5日，收盘>5日->3 | h\_last\_hour\_with\_5day |  |  |  |  |
| 64 |  | 小时线最后1根小时线的实体涨跌幅度 | h\_last\_hour\_solid | (-2.337, -1.652] 0.840510 0.159490 627  (-1.652, -0.974] 0.856319 0.143681 1907  (-0.974, -0.297] 0.857021 0.142979 7050  (-0.297, 0.381] 0.882807 0.117193 23713  (0.381, 1.059] 0.859260 0.140740 18083  (1.059, 1.737] 0.853809 0.146191 10199  (1.737, 2.415] 0.878858 0.121142 5605  (2.415, 3.092] 0.874570 0.125430 3197  (3.092, 3.77] 0.873247 0.126753 1854  (3.77, 4.448] 0.884366 0.115634 1081 |  |  |  |
| 65 |  | 小时线最后1根小时线的振幅 | h\_last\_hour\_amplitude | (-0.00645, 0.645] 0.924704 0.075296 9549  (0.645, 1.289] 0.865846 0.134154 22996  (1.289, 1.934] 0.852794 0.147206 17214  (1.934, 2.578] 0.851749 0.148251 10037  (2.578, 3.223] 0.866861 0.133139 5836  (3.223, 3.868] 0.855461 0.144539 3397  (3.868, 4.512] 0.874772 0.125228 2196  (4.512, 5.157] 0.885234 0.114766 1429  (5.157, 5.801] 0.886887 0.113113 999  (5.801, 6.446] 0.891746 0.108254 739 |  |  |  |
| 66 |  | 小时线曲线光滑度 | h\_close\_smooth | (0.0168, 0.0377] 0.815710 0.184290 662  (0.0377, 0.0584] 0.853940 0.146060 7271  (0.0584, 0.0791] 0.860962 0.139038 14701  (0.0791, 0.0998] 0.867089 0.132911 15010  (0.0998, 0.121] 0.874057 0.125943 13252  (0.121, 0.141] 0.884136 0.115864 9865  (0.141, 0.162] 0.887996 0.112004 6348  (0.162, 0.183] 0.876905 0.123095 4330  (0.183, 0.203] 0.874343 0.125657 2475  (0.203, 0.224] 0.872213 0.127787 1166 |  | 归一 |  |
| 67 |  | 小时线MACD光滑度 | h\_macd\_smooth | (0.0309, 0.0405] 0.867347 0.132653 98  (0.0405, 0.05] 0.858936 0.141064 1354  (0.05, 0.0595] 0.858497 0.141503 5590  (0.0595, 0.069] 0.860170 0.139830 15290  (0.069, 0.0785] 0.862146 0.137854 17932  (0.0785, 0.088] 0.875000 0.125000 16136  (0.088, 0.0975] 0.877045 0.122955 9231  (0.0975, 0.107] 0.888042 0.111958 5511  (0.107, 0.116] 0.898015 0.101985 2569  (0.116, 0.126] 0.905186 0.094814 1234 |  | 归一 |  |
| 68 |  | 小时线最近3天的光滑度 | h\_latest\_close\_smooth | (0.0656, 0.105] 0.904255 0.095745 188  (0.105, 0.143] 0.901296 0.098704 2006  (0.143, 0.182] 0.898230 0.101770 7458  (0.182, 0.22] 0.881734 0.118266 14738  (0.22, 0.258] 0.867649 0.132351 16970  (0.258, 0.297] 0.860601 0.139399 14498  (0.297, 0.336] 0.860316 0.139684 9858  (0.336, 0.374] 0.855293 0.144707 5791  (0.374, 0.412] 0.851895 0.148105 2586  (0.412, 0.451] 0.849089 0.150911 1153 |  | 归一 |  |
| 69 |  | 小时线5日穿10、20、30 | h\_5\_cross102030 |  |  | 1 |  |
| 70 |  | 小时线10日穿20、30 | h\_10\_cross2030 |  |  |  |  |
| 71 |  | 小时线最近1天的斜率 | h\_1day\_slope | (-0.104, -0.0854] 0.911804 0.088196 1508  (-0.0854, -0.0668] 0.895165 0.104835 12181  (-0.0668, -0.0482] 0.869015 0.130985 16269  (-0.0482, -0.0296] 0.860659 0.139341 13693  (-0.0296, -0.011] 0.860393 0.139607 9670  (-0.011, 0.0076] 0.863243 0.136757 7166  (0.0076, 0.0262] 0.861947 0.138053 6215  (0.0262, 0.0448] 0.865901 0.134099 4877  (0.0448, 0.0634] 0.868636 0.131364 3182  (0.0634, 0.082] 0.873934 0.126066 1055 |  | 归一 |  |
| 72 |  | 小时线最近2天的斜率 | h\_2day\_slope | (-0.161, -0.136] 0.897196 0.102804 642  (-0.136, -0.11] 0.885214 0.114786 6229  (-0.11, -0.0851] 0.876602 0.123398 12642  (-0.0851, -0.0598] 0.875384 0.124616 14324  (-0.0598, -0.0345] 0.863316 0.136684 12474  (-0.0345, -0.0092] 0.861268 0.138732 10077  (-0.0092, 0.0161] 0.864262 0.135738 7706  (0.0161, 0.0414] 0.864212 0.135788 5295  (0.0414, 0.0667] 0.864227 0.135773 3388  (0.0667, 0.092] 0.866071 0.133929 2128 |  | 归一 |  |
| 73 |  | 小时线最近3天的斜率 | h\_3day\_slope | (-0.3, -0.252] 0.866799 0.133201 503  (-0.252, -0.204] 0.863387 0.136613 4370  (-0.204, -0.156] 0.858647 0.141353 7789  (-0.156, -0.108] 0.868963 0.131037 11699  (-0.108, -0.06] 0.865033 0.134967 13633  (-0.06, -0.012] 0.864180 0.135820 13216  (-0.012, 0.036] 0.877952 0.122048 11856  (0.036, 0.084] 0.885480 0.114520 7920  (0.084, 0.132] 0.887890 0.112110 3336  (0.132, 0.18] 0.889868 0.110132 1135 |  | 归一 |  |
| 74 |  | 小时线最大跌幅-大阴 | h\_big\_yin | (-10.507, -9.464] 0.937888 0.062112 483  (-9.464, -8.43] 0.919492 0.080508 472  (-8.43, -7.397] 0.894682 0.105318 959  (-7.397, -6.364] 0.897841 0.102159 1899  (-6.364, -5.33] 0.873228 0.126772 3597  (-5.33, -4.297] 0.871875 0.128125 6759  (-4.297, -3.264] 0.858572 0.141428 12395  (-3.264, -2.231] 0.857228 0.142772 21923  (-2.231, -1.197] 0.873299 0.126701 23362  (-1.197, -0.164] 0.919704 0.080296 3923 |  | 检查是否有归一 |  |
| 75 |  | 小时线C的最近值vs最大值 | h\_gaodi | (-0.0134, 1.344] 0.904551 0.095449 4746  (1.344, 2.689] 0.872016 0.127984 15416  (2.689, 4.033] 0.852037 0.147963 18356  (4.033, 5.378] 0.856959 0.143041 14003  (5.378, 6.722] 0.866871 0.133129 9149  (6.722, 8.066] 0.878244 0.121756 5626  (8.066, 9.411] 0.893679 0.106321 3433  (9.411, 10.755] 0.897826 0.102174 2300  (10.755, 12.1] 0.908007 0.091993 1174  (12.1, 13.444] 0.934066 0.065934 728 |  |  |  |
| 76 |  | 小时线收盘价vs 3天最低值 | h\_3d\_min | (-0.00444, 0.444] 0.865367 0.134633 31352  (0.444, 0.889] 0.868864 0.131136 11103  (0.889, 1.333] 0.868600 0.131400 9140  (1.333, 1.778] 0.873973 0.126027 6697  (1.778, 2.222] 0.869933 0.130067 5082  (2.222, 2.666] 0.866477 0.133523 3520  (2.666, 3.111] 0.873973 0.126027 2555  (3.111, 3.555] 0.888451 0.111549 1775  (3.555, 4.0] 0.895545 0.104455 1302  (4.0, 4.444] 0.892045 0.107955 880 |  |  |  |
| 77 |  | 小时线最后3跟ma5的斜率 | h\_last3hour\_ma5\_slope | (-0.225, -0.146] 0.974138 0.025862 116  (-0.146, -0.0684] 0.962376 0.037624 505  (-0.0684, 0.0094] 0.921536 0.078464 12783  (0.0094, 0.0872] 0.897724 0.102276 39188  (0.0872, 0.165] 0.886201 0.113799 11863  (0.165, 0.243] 0.884760 0.115240 5059  (0.243, 0.321] 0.895380 0.104620 2619  (0.321, 0.398] 0.880240 0.119760 1503  (0.398, 0.476] 0.890132 0.109868 983  (0.476, 0.554] 0.862295 0.137705 610 |  |  |  |
| 78 |  | 小时线最后3跟ma10的斜率 | h\_last3hour\_ma10\_slope | (-0.125, -0.0857] 0.963362 0.036638 464  (-0.0857, -0.0464] 0.958678 0.041322 1331  (-0.0464, -0.0071] 0.942433 0.057567 9172  (-0.0071, 0.0322] 0.899135 0.100865 44049  (0.0322, 0.0715] 0.877481 0.122519 11590  (0.0715, 0.111] 0.866061 0.133939 4405  (0.111, 0.15] 0.875714 0.124286 2100  (0.15, 0.189] 0.866087 0.133913 1150  (0.189, 0.229] 0.857765 0.142235 689  (0.229, 0.268] 0.838074 0.161926 457 |  |  |  |
| 79 |  | 小时线震荡收敛 | h\_is\_converging |  |  | 归一 |  |
| 80 |  | 小时线最终振幅 | h\_last\_amplitude | (0.0369, 0.25] 0.819374 0.180626 4119  (0.25, 0.461] 0.843722 0.156278 18979  (0.461, 0.671] 0.870559 0.129441 18155  (0.671, 0.882] 0.886810 0.113190 11918  (0.882, 1.093] 0.889381 0.110619 7675  (1.093, 1.304] 0.881178 0.118822 4755  (1.304, 1.515] 0.895536 0.104464 3226  (1.515, 1.725] 0.908346 0.091654 2684  (1.725, 1.936] 0.910565 0.089435 1912  (1.936, 2.147] 0.902314 0.097686 1167 |  | 检查数据是否对应  归一 |  |
| 81 |  | 小时线振幅变化率 | h\_amplitude\_rate | (-0.172, -0.145] 0.920000 0.080000 25  (-0.145, -0.118] 0.889503 0.110497 181  (-0.118, -0.0916] 0.868037 0.131963 1508  (-0.0916, -0.0648] 0.867755 0.132245 6004  (-0.0648, -0.038] 0.863723 0.136277 13700  (-0.038, -0.0112] 0.865999 0.134001 19358  (-0.0112, 0.0156] 0.867004 0.132996 19745  (0.0156, 0.0424] 0.884556 0.115444 9000  (0.0424, 0.0692] 0.893230 0.106770 4018  (0.0692, 0.096] 0.881388 0.118612 1585 |  | 归一 |  |
| 82 |  | 小时线最后收盘=high | h\_close\_eq\_high |  |  |  |  |
| 83 |  | 小时线5日线大于10、20、30 | h\_ma5\_in\_top |  |  |  |  |
| 84 |  | 小时线最后1天根前一天的角度 | h\_macd\_angle | (-0.0411, -0.0357] 0.858149 0.141851 2841  (-0.0357, -0.0304] 0.858186 0.141814 2877  (-0.0304, -0.0251] 0.854600 0.145400 3652  (-0.0251, -0.0198] 0.856642 0.143358 5706  (-0.0198, -0.0145] 0.858061 0.141939 6221  (-0.0145, -0.0092] 0.866996 0.133004 7699  (-0.0092, -0.0039] 0.870412 0.129588 11961  (-0.0039, 0.0014] 0.886637 0.113363 9474  (0.0014, 0.0067] 0.889401 0.110599 4123  (0.0067, 0.012] 0.893281 0.106719 2024 |  |  |  |
| 85 |  | 最后一根小时线low低于5日线 | h\_low\_lt\_ma5 |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  | 小时线在箱体内 | h\_in\_box |  |  |  |  |
|  |  | 阴阳阳阴 | h\_rggr |  |  |  |  |