| 0 1 2 3 4 319 320 | Observation 31-00:00 31-01:00 31-02:00 31-03:00 31-04:00 10-16:00 9-19:00 | 23.10 27.60 23.19 23.60 22.90 23.75 | 16.520 16.810 16.709 16.478 15.618 12.667 12.558 | 121.717 79.022 79.562 | 1177.607 1328.360 1329.407 1334.877 1334.168 1178.252 | ChipLevel4 169.805 341.327 239.161 213.527 243.131 276.955 297.071 | 358.282 351.050 350.022 350.938 351.640 347.286 399.135 | 329.545 329.067 329.260 331.142 332.709 310.970 319.576 | 1.443 1.549 1.600 1.604 NaN 1.523 1.451 | WhiteFlow-4 599.253 537.201 549.611 623.362 638.672 513.956 570.058 | 60.012 61.304 68.496 70.022 61.141 | 329.432 330.823 329.140 328.875 328.352 330.117 330.848 | Upper-HeatT-3 303.099 304.879 303.383 302.254 300.954 304.006 304.616 | 175.964 163.202 164.013 181.487 183.929 148.174 165.178 | WeakLiquorF 1127.197 665.975 677.534 767.853 888.448 1027.201 906.962 | 1319.039 1297.317 1327.072 1324.461 1343.424 1357.271 1311.177 | WeakWashF 257.325 241.182 237.272 239.478 215.372 381.643 25.494 | \$4.612 46.603 51.795 54.846 54.186 45.264 50.528 | T-Top-Chips-4 252.077 251.406 251.335 250.312 249.916 252.947 252.092 | NaN 29.11 NaN 29.02 29.01 | |
|---|--|--|--|---|--|---|--|--|--|---|---|--|--|---|--|---|--|---|--|--|--|
| #checdf.in <class #="" 0="" 1="" 2="" 3="" 4="" 5="" 6="" 7="" b="" c="" data="" o="" rangei="" t="" t<="" td="" y=""><td>pandas.c index: 324 columns (to</td><td>24.32 25.75 umns info of core.fra: entries otal 23 N - n 3 3 3 -2 3 -2 3</td><td>dataset me.DataFra 0 to 323 columns): con-Null Co</td><td>88.910 85.451 Dunt Dtyp Object float float</td><td>- ct t64 t64 t64 t64 t64 t64</td><td>289.826 318.006 248.312</td><td>373.633 364.081 356.289</td><td>314.591 308.559 310.482</td><td>1.457 1.523 1.474</td><td>549.306 504.852 497.375</td><td> 61.054</td><td>330.226 327.346 328.092</td><td>304.686 304.363 304.093</td><td>160.841 147.589 144.218</td><td>887.125 804.423 828.328</td><td>1319.226 1320.225 1320.848</td><td>0.638 0.000 1.276</td><td>45.549 43.725 43.840</td><td>252.438 253.176 253.216</td><td>NaN 31.13 NaN</td><td></td></class> | pandas.c index: 324 columns (to | 24.32 25.75 umns info of core.fra: entries otal 23 N - n 3 3 3 -2 3 -2 3 | dataset me.DataFra 0 to 323 columns): con-Null Co | 88.910 85.451 Dunt Dtyp Object float | - ct t64 t64 t64 t64 t64 t64 | 289.826 318.006 248.312 | 373.633 364.081 356.289 | 314.591 308.559 310.482 | 1.457 1.523 1.474 | 549.306 504.852 497.375 | 61.054 | 330.226 327.346 328.092 | 304.686 304.363 304.093 | 160.841 147.589 144.218 | 887.125 804.423 828.328 | 1319.226 1320.225 1320.848 | 0.638 0.000 1.276 | 45.549 43.725 43.840 | 252.438 253.176 253.216 | NaN 31.13 NaN | |
| 9 Wind 10 And 11 And 12 Cincipal 13 Sincipal 14 Lincipal 15 Uin 16 Cincipal 17 Wind 18 Bin 19 Wind 20 Sincipal 17 22 Sincipal 17 22 Sincipal 17 And 18 Bin 19 Wind 18 Bin 18 | WhiteFlow-AAWhiteSt-AA-Wood-4 ChipMoistur CteamFlow-AAWhiteSt-AA-Wood-4 ChipMoistur CteamFlow-AAWhiteAAAA ChipMass-4 ChipMass-4 CeakLiquor CleakWashF CteamHeatF-AAWhidity Calling Company Com | 4 3 4 1 3 re-4 3 4 3 1-3 3 1-3 3 5 3 2 3 3 3 5-4 3 1-4 1 (22), ob 8.3+ KB | 23 non-nui 73 non-nui 23 non-nui 23 non-nui 23 non-nui 22 non-nui 23 non-nui 23 non-nui 22 non-nui 23 non-nui 23 non-nui 23 non-nui 23 non-nui 25 non-nui 26 non-nui 27 non-nui 27 non-nui | ll floa | t64 t64 t64 t64 t64 t64 t64 t64 t64 t64 | - ChipLevel4 | Γ-upperExt- | Γ-lowerExt- | UCZAA | WhiteFlow- | AAWhiteSt- | SteamFlow- | Lower-HeatT- | Upper-HeatT- | ChipMass- | WeakLiquorF | BlackFlow-2 | WeakWashF | SteamHeatF- | T-Top-Chips- | Sulphidityl |
| | 20.635370 3.070030 12.170000 18.382500 20.845000 23.032500 | 0 14.347 6 1.499 0 9.983 0 13.358 0 14.308 0 15.517 0 16.958 | 7937 87.4 7095 7.9 8000 68.6 8000 81.8 8000 86.7 7000 92.3 8000 121.7 | 64456 1237 95012 100 45000 0 23000 1193 39000 1273 72000 1289 | 0.000000 3.215250 21 3.138500 27 9.196000 32 | 58.164483 3 37.987452 0.000000 3 13.527000 3 71.792000 3 21.680000 3 | 9.209290 9.39.168000 350.241250 356.843000 | 24.020180 7.621402 84.633000 21.420000 25.669000 29.175000 | 0.105923 1.182000 1.431500 1.498000 1.560500 | 591.732260 67.016351 405.111000 540.989500 592.895000 | 173.000000 6.140410 0.081609 5.890000 6.089000 6.135000 6.199000 6.340000 | 323.000000 66.668285 5.708587 48.568000 62.518000 67.429000 71.522000 76.147000 | 322.000000 325.567820 4.609862 318.051000 321.385500 324.741000 329.845250 333.854000 | 300.525699 4.568484 293.312000 296.513250 299.126000 304.244750 | 172.555000 | 122.073521 486.938000 792.019500 865.254000 965.286500 | 149.334010 838.948000 1044.817500 1150.221500 1319.021250 | 163.666942 0.000000 134.649000 269.193000 405.563000 | 322.000000 49.696907 4.551909 35.510000 46.389750 50.277000 53.294250 63.332000 | 323.000000 251.240087 1.283432 248.359000 250.312000 251.380000 252.323500 254.122000 | 173.00000 30.41167 0.70131 29.01000 29.97000 30.37000 30.82000 32.84000 |
| df | | Y-Kappa 23.10 27.60 23.19 23.60 22.90 20.90 | ChipRate 16.520 16.810 16.709 16.478 15.618 | 121.717 79.022 79.562 81.011 93.244 84.640 | BlowFlow 1177.607 1328.360 1329.407 1334.877 1334.168 1283.706 1278.345 | ChipLevel4 169.805 341.327 239.161 213.527 243.131 339.440 368.564 | T-upperExt-2 358.282 351.050 350.022 350.938 351.640 354.803 357.723 | T-lowerExt-2 329.545 329.067 329.260 331.142 332.709 311.041 321.387 | 1.443 1.549 1.600 1.604 NaN 1.635 | WhiteFlow-4 599.253 537.201 549.611 623.362 638.672 532.419 520.365 | 60.012 61.304 68.496 70.022 | 329.432 330.823 329.140 328.875 328.352 332.924 | Upper-HeatT-3 303.099 304.879 303.383 302.254 300.954 307.626 307.169 | ChipMass-4 175.964 163.202 164.013 181.487 183.929 145.299 151.544 | WeakLiquorF 1127.197 665.975 677.534 767.853 888.448 832.906 905.639 | BlackFlow-2 1319.039 1297.317 1327.072 1324.461 1343.424 1344.708 1344.469 | WeakWashF 257.325 241.182 237.272 239.478 215.372 388.911 418.979 | SteamHeatF-3 54.612 46.603 51.795 54.846 54.186 49.524 48.135 | T-Top-Chips-4 252.077 251.406 251.335 250.312 249.916 251.833 251.614 | NaN 29.11 NaN 29.02 29.01 | |
| 300 301 307 301 rov | 12-11:00 12-12:00 31-05:00 ws × 23 colu | 21.00 21.40 20.89 umns Y-Kappa False | NaN NaN 14.308 | 88.013 85.490 94.172 | 1307.722 1255.986 1327.832 BlowFlow | 278.842 273.484 251.120 | 357.438 361.365 351.263 | 323.757 322.689 332.485 | NaN NaN 1.522 | 553.070 590.199 631.514 | 65.795 71.456 71.286 SteamFlow-4 False | 331.263 333.032 328.699 | 306.400 308.732 300.706 | 157.954 174.069 180.229 | 908.691 986.206 903.605 | 1344.588 1348.747 1323.082 | 462.712 457.313 232.729 | 54.373 53.194 54.503 | 251.197 251.324 250.084 | NaN 30.46 NaN SulphidityL-4 True | |
| 2 3 4 298 299 300 301 307 | False | False False False False False False False | False False False | False | False False False False False False False | False | False | False | False | False | False | False | False | False | False | False | False | False | False | True False False False False True | |
|]: # Che df.is]: Obser Y-Kar ChipF BF-CN BlowF ChipI T-upr T-low UCZAF White AAWhi AA-WC ChipN Steam Lower Upper ChipN WeakI Black Weak Steam T-Tor Sulph dtype]: #fill df1=d df1 | Rate Mratio Flow Level4 perExt-2 WerExt-2 A eFlow-4 iteSt-4 cood-4 Moisture-4 mFlow-4 r-HeatT-3 r-HeatT-3 Mass-4 LiquorF kFlow-2 WashF mHeatF-3 p-Chips-4 hidityL-4 e: int64 ling null df.fillna(| ssing va m() (0 24 14 13 141 141 141 141 141 141 141 141 | sing 0 | | | | | | | | | | | | | | | | | | |
| 0 1 2 3 4 298 299 300 301 307 | Observation 31-00:00 31-01:00 31-02:00 31-03:00 31-04:00 12-09:00 12-10:00 12-11:00 12-12:00 31-05:00 ws × 23 columns | 23.10 27.60 23.19 23.60 22.90 20.90 24.98 21.00 21.40 20.89 | 16.520 16.810 16.709 | 121.717 79.022 79.562 81.011 93.244 84.640 85.034 88.013 85.490 | 1177.607 1328.360 1329.407 1334.877 1334.168 1283.706 1278.345 1307.722 | ChipLevel4 169.805 341.327 239.161 213.527 243.131 339.440 368.564 278.842 273.484 251.120 | T-upperExt-2 358.282 351.050 350.022 350.938 351.640 354.803 357.723 357.438 361.365 351.263 | T-lowerExt-2 329.545 329.067 329.260 331.142 332.709 311.041 321.387 323.757 322.689 332.485 | 1.443 1.549 1.600 1.604 0.000 1.635 0.000 0.000 1.522 | WhiteFlow-4 599.253 537.201 549.611 623.362 638.672 532.419 520.365 553.070 590.199 631.514 | 60.012 61.304 68.496 70.022 65.561 65.729 65.795 71.456 | 329.432 330.823 329.140 328.875 328.352 332.924 332.523 331.263 333.032 328.699 | Upper-HeatT-3 303.099 304.879 303.383 302.254 300.954 307.626 307.169 306.400 308.732 300.706 | ChipMass-4 175.964 163.202 164.013 181.487 183.929 145.299 151.544 157.954 174.069 180.229 | WeakLiquorF 1127.197 665.975 677.534 767.853 888.448 832.906 905.639 908.691 986.206 903.605 | BlackFlow-2 1319.039 1297.317 1327.072 1324.461 1343.424 1344.708 1344.469 1344.588 1348.747 1323.082 | WeakWashF 257.325 241.182 237.272 239.478 215.372 388.911 418.979 462.712 457.313 232.729 | SteamHeatF-3 54.612 46.603 51.795 54.846 54.186 49.524 48.135 54.373 53.194 54.503 | T-Top-Chips-4 252.077 251.406 251.335 250.312 249.916 251.833 251.614 251.197 251.324 250.084 | 0.00 29.11 0.00 29.02 29.01 | |
| df2=ddf2 C:\Use df2= 0 1 2 3 4 298 299 300 301 307 | df.fillna | AppData\(method='\) AppData\(method='\) Y-Kappa 23.10 27.60 23.19 23.60 22.90 20.90 24.98 21.00 21.40 20.89 | Cocal\Temp pad') ChipRate 16.520 16.810 16.709 16.478 15.618 15.167 15.167 | BF-CMratio 121.717 79.022 79.562 81.011 93.244 84.640 85.034 88.013 | BlowFlow 1177.607 1328.360 1329.407 1334.877 1334.168 1283.706 1278.345 1307.722 1255.986 | | | | 1.443 1.549 1.600 | | 60.012 61.304 68.496 70.022 65.561 65.729 65.795 71.456 | | | | | | | | | NaN 29.11 29.11 | |
| df3 C:\Use df3= | df.fillna | AppData\ (method= Y-Kappa 23.10 27.60 23.19 23.60 22.90 | Cocal\Temp 'bfill") ChipRate 16.520 16.810 16.709 | BF-CMratio 121.717 79.022 79.562 | BlowFlow 1177.607 1328.360 1329.407 1334.877 1334.168 | | | | | | 60.012 61.304 68.496 70.022 | | | | | | | | | 29.11 29.11 29.02 | |
| 299 300 301 307 301 rov [: from]: df2.c | 12-10:00 12-11:00 12-12:00 31-05:00 ws × 23 columns columns x(['Observe | 24.98 21.00 21.40 20.89 umns ort stat | 14.308 14.308 14.308 14.308 | 85.034 88.013 85.490 94.172 | 1278.345 1307.722 1255.986 1327.832 | 368.564 278.842 273.484 251.120 Mratio', '. | 357.723 357.438 361.365 351.263 | 321.387 323.757 322.689 332.485 | 1.522 1.522 1.522 1.522 | 520.365 553.070 590.199 631.514 | 65.729 65.795 71.456 | 332.523 331.263 333.032 328.699 | 307.169 306.400 308.732 300.706 | 151.544 157.954 174.069 180.229 | 905.639 908.691 986.206 903.605 | 1344.469 1344.588 1348.747 1323.082 | 418.979 462.712 457.313 232.729 | 48.135 54.373 53.194 54.503 | 251.614 251.197 251.324 250.084 | 30.47 30.46 30.46 NaN | |
| df2.c]: Index]: Q1= d Q3 = IQR=Q print Y-Kapp ChipRa BF-CMr BlowFl ChipLe T-uppe T-lowe UCZAA WhiteF AAWhit AA-Wood ChipMo SteamF Lower- Upper- ChipMa WeakLi BlackF WeakWa SteamH T-Top- | 'WhiteF 'SteamF 'WeakLi 'T-Top- dtype='odrop(["Observed top) 'Indeptity of the second top) 'T-uppe 'AAWhit' 'Lower- 'BlackF' 'Sulphid type='odf2.quantidf2.q | Plow-4 ', 'low-4 ', 'quorf', 'quorf', 'Chips-4 'bject') ervation Pa', 'Chips-4 'bject') ervation Pa', 'Chips-4 ', 'Chips-4 | 'AAWhite 'Lower-H 'BlackFl ', 'Sulph "], axis= pRate', ', 'T-lowe 'AA-Wood , 'Upper- 'WeakWas '], | St-4 ', '2 eatT-3', ow-2 ', 'V idityL-4 1, inplace BF-CMratic rExt-2 ', -4 ', 'CH HeatT-3 ', | AA-Wood-4 'Upper-Hea WeakWashF '], e=True) o', 'BlowF , 'UCZAA', nipMoistur , 'ChipMas | ', 'ChipM tT-3 ', 'C ', 'SteamH low', 'Chi 'WhiteFlore-4 ', 'St s-4 ', 'We | oisture-4 'hipMass-4 'eatF-3 ', | , | | | | | | | | | | | | | |
| Sulphidtype: df2=ddf2 1 2 5 6 7 298 299 300 301 307 | dityL-4 float64 Hf2[~((df2 Y-Kappa Cl 27.60 23.19 14.23 13.49 22.65 20.90 24.98 21.00 21.40 | 0. < (Q1-1 hipRate E 16.810 | F-CMratio 79.022 79.562 85.518 98.186 91.887 84.640 85.034 | BlowFlow 0 1328.360 1329.407 1171.604 1243.688 1307.852 1283.706 1278.345 1307.722 1255.986 | | T-upperExt-2 351.050 350.022 344.014 346.208 352.321 354.803 357.723 357.438 361.365 351.263 | | 1.549 1.600 1.436 1.434 1.468 1.635 1.635 | 537.201 549.611 628.245 696.766 625.549 532.419 520.365 553.070 590.199 631.514 | 6.076 6.076 6.020 6.020 6.143 6.340 6.220 6.220 6.230 | 61.304 65.225 72.989 71.298 65.561 65.729 65.795 71.456 | Lower-HeatT-3 330.823 329.140 322.103 322.982 329.662 332.924 332.523 331.263 333.032 328.699 | Upper-HeatT-3 304.879 303.383 298.517 296.080 301.539 307.626 307.169 306.400 308.732 300.706 | 163.202 164.013 165.814 182.018 179.886 145.299 151.544 157.954 174.069 | WeakLiquorF 665.975 677.534 826.243 784.281 837.178 832.906 905.639 908.691 986.206 903.605 | | 241.182 237.272 595.875 201.272 234.047 388.911 | SteamHeatF-3 46.603 51.795 52.807 58.118 53.805 49.524 48.135 54.373 53.194 54.503 | T-Top-Chips-4 251.406 251.335 249.580 248.741 249.971 251.833 251.614 251.197 251.324 250.084 | 29.11 29.11 30.34 30.34 29.22 30.29 30.47 30.47 | |
| count mean std min 25% | 20.675489 2.944999 12.480000 | a Chip 0 235.000 9 14.602 9 1.290 0 10.833 0 13.683 | 8409 86.3 8108 6.8 8000 68.6 8500 81.3 | 00000 235 64787 1253 33130 47 45000 1084 14500 1213 | 7.605312 6 4.083000 6 | 35.000000 2 35.499540 3 369.787154 361.783000 3 | 7-upperExt- 2 235.000000 2 356.919094 3 7.548497 340.222000 3 | 2 35.000000 2 24.992796 5.565984 10.421000 21.829000 | 1.488749 0.103720 1.224000 | WhiteFlow- 4 235.000000 601.162217 60.329201 468.841000 549.484000 | AAWhiteSt- 4 235.000000 6.142443 0.067374 5.940000 6.097000 | SteamFlow- 4 235.000000 67.402953 4.982040 52.962000 63.819000 | Lower-HeatT-3 235.000000 325.031523 4.680400 318.051000 321.215000 | 3 235.000000 299.996872 4.547736 293.312000 | 235.000000 | 235.000000 | 1159.761268 151.553026 838.948000 | 235.000000 268.771315 164.891435 0.000000 142.538000 | SteamHeatF-3 235.000000 49.889251 4.065122 38.283000 46.778000 50.253000 | T-Top-Chips- 4 235.000000 251.196153 1.218812 248.359000 250.325000 251.253000 | Sulphidityl 235.00000 30.48813 0.62049 29.11000 30.12000 |