

Appendix2

You can view the corresponding table by clicking on its name below:

Appendix2Tab.1 .

Appendix2Tab.2

Appendix2Tab.3

Appendix2Tab.1

: Error Values, model's normalized scores and normalized Entropy for the Train_Dataof the workstation
Conwip2_12_6

| ID PO | First Error (h) | Median Error (h) | Last Error (h) | AE Score | SVM Score | IF Score | Entropy |
|----------|-----------------------|------------------------|----------------------|-------------|--------------|-------------|---------|
| 256425 | 1.9 | 1.9 | 1.9 | 0.383 | 0.669 | 0.824 | 0.959 |
| 256426 | 0.05 | 0.014 | 0.097 | 0.084 | 0.182 | 0.124 | 0.956 |
| 256427 | 0.093 | 0.035 | 0.086 | 0.085 | 0.192 | 0.05 | 0.866 |
| 256428 | 0.094 | 0.099 | 0.01 | 0.092 | 0.279 | 0.071 | 0.83 |
| 256429 | 0.007 | 0.0 | 0.056 | 0.087 | 0.223 | 0.032 | 0.775 |
| 256430 | 0.013 | 0.005 | 0.015 | 0.092 | 0.273 | 0.068 | 0.828 |
| 256431 | 0.7 | 0.7 | 0.7 | 0.079 | 0.293 | 0.532 | 0.811 |
| 257049 | 165.2 | 95.05 | 0.9 | 0.026 | 0.291 | 0.557 | 0.689 |
| 257119 | 93.4 | 49.1 | 1.1 | 0.086 | 0.294 | 0.685 | 0.766 |
| 257120 | 28.6 | 22.4 | 0.055 | 0.064 | 0.098 | 0.305 | 0.799 |
| 257137 | 407.55 | 243.2 | 0.073 | 0.016 | 0.172 | 0.386 | 0.663 |
| 257192 | 448.15 | 264.3 | 0.068 | 0.031 | 0.154 | 0.275 | 0.777 |
| 257193 | 312.15 | 216.9 | 0.044 | 0.008 | 0.293 | 0.374 | 0.677 |
| 257197 | 675.3 | 339.3 | 2.8 | 1.0 | 1.0 | 1.0 | 1.0 |
| 257200 | 674.2 | 338.2 | 1.2 | 0.256 | 0.731 | 0.91 | 0.901 |
| 257257 | 428.55 | 264.2 | 0.099 | 0.026 | 0.154 | 0.338 | 0.718 |
| 257258 | 425.05 | 263.0 | 0.04 | 0.029 | 0.184 | 0.194 | 0.82 |
| 257259 | 425.05 | 263.0 | 0.068 | 0.027 | 0.168 | 0.211 | 0.806 |
| 257260 | 424.05 | 260.5 | 0.031 | 0.028 | 0.189 | 0.218 | 0.807 |
| 257261 | 401.05 | 260.5 | 0.049 | 0.025 | 0.205 | 0.231 | 0.787 |
| 257262 | 544.45 | 310.2 | 0.022 | 0.083 | 0.326 | 0.572 | 0.81 |
| 257263 | 502.05 | 289.7 | 0.004 | 0.06 | 0.237 | 0.465 | 0.787 |
| 257264 | 401.15 | 260.6 | 0.024 | 0.027 | 0.222 | 0.245 | 0.789 |
| 257450 | 331.75 | 195.2 | 0.022 | 0.005 | 0.276 | 0.33 | 0.664 |
| 257453 | 311.4 | 191.3 | 0.022 | 0.004 | 0.285 | 0.316 | 0.664 |
| 257536 | 166.4 | 95.05 | 0.9 | 0.025 | 0.293 | 0.561 | 0.688 |
| 257538 | 125.9 | 98.4 | 0.024 | 0.016 | 0.126 | 0.496 | 0.554 |
| 257653 | 5.2 | 0.05 | 0.053 | 0.086 | 0.214 | 0.022 | 0.732 |
| 257654 | 0.081 | 0.066 | 0.054 | 0.088 | 0.225 | 0.001 | 0.558 |
| 257655 | 2.7 | 0.06 | 0.043 | 0.088 | 0.232 | 0.033 | 0.768 |
| ID PO | First Error (h) | Median Error (h) | Last Error (h) | AE Score | SVM Score | IF Score | Entropy |
| 257656 | 0.049 | 0.056 | 0.001 | 0.093 | 0.292 | 0.079 | 0.833 |
| 257657 | 4.0 | 0.024 | 0.014 | 0.09 | 0.266 | 0.056 | 0.806 |
| 257658 | 0.048 | 0.071 | 0.083 | 0.085 | 0.194 | 0.042 | 0.839 |
| 257659 | 9.1 | 4.6 | 0.07 | 0.08 | 0.169 | 0.189 | 0.947 |

[illegible]

Appendix2Tab.2 : Expert Labels, Error Values, model's normalized scores and normalized Entropy for theOptimization_Data of the workstation Conwip2_12_6

| ID PO | First Error (h) | Median Error (h) | Last Error (h) | AE Score | SVM Score | IF Score | Entropy | Expert Label |
|----------|-----------------------|------------------------|----------------------|-------------|--------------|-------------|---------|-----------------|
| 257731 | 1804.45 | 870.2 | 7.8 | 0.696 | 1.0 | 1.0 | 0.988 | 1 |
| 257732 | 1801.45 | 870.2 | 7.8 | 0.695 | 1.0 | 1.0 | 0.988 | 1 |
| 257733 | 1777.45 | 870.2 | 4.1 | 0.294 | 0.99 | 1.0 | 0.898 | 1 |
| 257734 | 1777.45 | 852.5 | 6.1 | 0.471 | 1.0 | 1.0 | 0.954 | 1 |
| 257735 | 1877.2 | 873.5 | 9.4 | 0.965 | 1.0 | 1.0 | 1.0 | 1 |
| 257736 | 1976.8 | 945.5 | 9.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1 |
| 258087 | 1751.05 | 846.0 | 3.0 | 0.218 | 1.0 | 1.0 | 0.861 | 0 |
| 258139 | 625.95 | 609.533 | 0.088 | 0.007 | 0.459 | 0.146 | 0.555 | 0 |
| 258140 | 626.15 | 625.733 | 0.028 | 0.01 | 0.584 | 0.101 | 0.443 | 0 |
| 258141 | 579.533 | 563.533 | 0.016 | 0.0 | 0.013 | 0.0 | 0.02 | 0 |
| 258142 | 788.15 | 715.733 | 0.011 | 0.03 | 0.938 | 0.314 | 0.602 | 0 |
| 258143 | 753.2 | 742.867 | 0.018 | 0.034 | 0.959 | 0.267 | 0.577 | 0 |
| 258144 | 765.15 | 748.4 | 0.05 | 0.035 | 0.964 | 0.271 | 0.581 | 0 |
| 258145 | 609.533 | 609.533 | 0.077 | 0.007 | 0.453 | 0.124 | 0.527 | 0 |
| 258146 | 626.15 | 625.733 | 0.097 | 0.01 | 0.57 | 0.183 | 0.56 | 0 |
| 258147 | 648.95 | 632.533 | 0.056 | 0.011 | 0.63 | 0.183 | 0.545 | 0 |
| 258148 | 580.85 | 564.433 | 0.075 | 0.0 | 0.0 | 0.034 | 0.0 | 0 |
| 258149 | 787.533 | 698.867 | 0.046 | 0.027 | 0.913 | 0.279 | 0.581 | 0 |
| 258150 | 704.2 | 646.867 | 0.095 | 0.015 | 0.726 | 0.327 | 0.624 | 0 |
| 258151 | 765.95 | 701.533 | 0.006 | 0.027 | 0.914 | 0.381 | 0.63 | 0 |
| ID PO | First Error (h) | Median Error (h) | Last Error (h) | AE Score | SVM Score | IF Score | Entropy | Expert Label |
| 258152 | 699.95 | 683.533 | 0.015 | 0.021 | 0.857 | 0.297 | 0.593 | 0 |
| 258153 | 648.533 | 632.533 | 0.043 | 0.011 | 0.632 | 0.182 | 0.544 | 0 |
| 258154 | 564.533 | 580.533 | 0.097 | 0.002 | 0.17 | 0.028 | 0.414 | 0 |

Appendix2Tab.3 : Error Values, model's normalized scores and normalized Entropy for the Test_Data of the workstation Convip2_12_6

| ID PO | First Error (h) | Median Error (h) | Last Error (h) | AE Score | SVM Score | IF Score | Entropy | Is Abnormal |
|----------|-----------------------|------------------------|----------------------|-------------|--------------|-------------|---------|----------------|
| 257319 | 118.35 | 117.933 | 0.021 | 0.073 | 0.012 | 0.161 | 0.713 | 0 |
| 257503 | 164.35 | 163.933 | 0.064 | 0.0 | 0.005 | 0.104 | 0.176 | 0 |
| 257504 | 118.35 | 117.933 | 0.039 | 0.07 | 0.009 | 0.13 | 0.723 | 0 |
| 257980 | 162.333 | 146.333 | 0.082 | 0.011 | 0.0 | 0.098 | 0.304 | 0 |
| 257981 | 146.333 | 146.333 | 0.065 | 0.023 | 0.004 | 0.093 | 0.575 | 0 |
| 258371 | 76.333 | 76.0 | 4.1 | 0.265 | 0.521 | 1.0 | 0.88 | 0 |
| 258372 | 76.333 | 76.333 | 4.1 | 0.264 | 0.521 | 1.0 | 0.88 | 0 |
| 258418 | 240.833 | 224.833 | 6.6 | 1.0 | 1.0 | 0.942 | 1.0 | 1 |
| 258425 | 148.933 | 164.933 | 0.001 | 0.02 | 0.017 | 0.138 | 0.605 | 0 |
| 258426 | 148.933 | 164.933 | 0.034 | 0.014 | 0.012 | 0.052 | 0.782 | 0 |
| 258646 | 47.833 | 47.833 | 0.011 | 0.2 | 0.032 | 0.0 | 0.365 | 0 |