Table 1: A summary of HRV indices according to their respective cluster memberships in the final meta-clustering solution, together with their centrality values which were quantified as their relative distances from the respective cluster centres (Level 2 clusters).

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| --- | --- | --- | --- | --- |
| Level 1 | Level 2 | HRV Indices | Description | Centrality |
| Distribution | Centrality | ApEn | The Approximate Entropy | 20.3 |
| ShanEn | The Shannon Entropy | 16.9 |
| MeanNN | The mean of the NN intervals. | 16.9 |
| MedianNN | The median of the NN intervals. | 16.7 |
| MSE | The Multiscale Entropy | 11.5 |
| Dispersion | MadNN | The median absolute deviation of the NN intervals | 22.5 |
| IQRNN | The interquartile range (IQR) of the NN intervals | 22.2 |
| HTI | Integral of the density of the NN interval histogram divided by its height | 21.1 |
| SDNN | The standard deviation of the RR intervals | 20.8 |
| pNN20 | Proportion of successive NN interval differences larger than 20ms | 20.6 |
| pNN50 | Proportion of successive NN interval differences larger than 50ms | 20.2 |
| RMSSD | Root mean square of successive NN interval differences | 18.6 |
| MCVNN | MadNN divided by MedianNN | 18.3 |
| CVNN | SDNN divided by MeanNN | 17.0 |
| CVI | Cardiac Vagal Index | 16.8 |
| SD2 | The spread of NN intervals on the Poincaré plot along the line of identity. | 15.7 |
| S | Area of ellipse in Poincaré plot | 15.6 |
| Frequency/  Complexity | Absolute Frequency/  Complexity | FuzzyEn | The Fuzzy Entropy | 22.1 |
| LF | Power spectrum in the frequency range of 0.04-0.15 Hz | 20.4 |
| SampEn | The Sample Entropy | 19.0 |
| LZC | The Lempel-Ziv complexity | 18.9 |
| KFD | Katz Fractal Dimension | 18.6 |
| CMSE | The Composite Multiscale Entropy | 17.9 |
| CD | Correlation Dimension | 17.6 |
| DFA 1 ExpMean | The MFDFA corresponding to short-term correlation. ExpMean is the mean of singularity exponents | 17.4 |
| RCMSE | The Refined Composite Multiscale Entropy | 16.6 |
| VHF | Power spectrum in the frequency range of 0.4-0.5 Hz | 16.6 |
| HF | Power spectrum in the frequency range of 0.15-0.4 Hz | 15.9 |
| DFA 1 ExpRange | The MFDFA corresponding to short-term correlation. ExpRange is the range of singularity exponents | 15.9 |
| DFA 2 DimMean | The MFDFA corresponding to long-term correlations. DimMean is the mean of singularity dimensions | 15.8 |
| LnHF | The natural logarithm of HF | 12.3 |
| TINN | The baseline width of the NN interval histogram | 8.6 |
| Relative Frequency/  Complexity | LFn | The normalized LF | 18.6 |
| DFA 1 | The DFA corresponding to short-term correlation | 16.4 |
| DFA 2 | The DFA corresponding to long-term correlation | 16.3 |
| LFHF | The ratio between LF and HF | 16.3 |
| DFA 2 DimRange | The MFDFA corresponding to long-term correlation. DimRange is the range of singularity dimensions | 15.9 |
| HFD | Higuchi Fractal Dimension | 15.9 |
| SD1SD2 | The ratio between short and long term fluctuations of the NN intervals | 15.9 |
| DFA 2 ExpMean | The MFDFA corresponding to long-term correlation. ExpMean is the mean of singularity exponents | 15.6 |
| DFA 1 DimMean | The MFDFA corresponding to short-term correlation. DimMean is the mean of singularity dimensions | 15.5 |
| DFA 2 ExpRange | The MFDFA corresponding to long-term correlation. ExpRange is the range of singularity exponents | 15.4 |
| CSI (modified) | The Cardiac Sympathetic Index (modified) | 13.5 |
| HFn | The normalized HF | 13.2 |
| CSI | The Cardiac Sympathetic Index | 11.1 |
| Harmony | Heart Rate Asymmetry | AI | The Area Index | 16.5 |
| GI | The Guzik’s Index | 15.6 |
| SI | The Slope Index | 15.0 |
| Ca | The total contributions of heart rate accelerations to HRV | 14.8 |
| PI | The Porta’s Index | 14.4 |
| C2a | The contributions of heart rate accelerations to long-term HRV | 14.2 |
| DFA 1 DimRange | The MFDFA corresponding to short-term correlation. DimRange is the range of singularity dimensions | 12.1 |
| C1a | The contributions of heart rate accelerations to short-term HRV | 12.0 |
| Heart Rate Fragmentation | IALS | The inverse of the average length of the acceleration/deceleration segments | 16.6 |
| PIP | The percentage of inflection points of the NN intervals series | 16.1 |
| PAS | The percentage of NN intervals in alternation segments | 15.9 |
| PSS | The percentage of short segments | 15.5 |