

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).

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 $\alpha 1$	The MFDFA corresponding to short-term correlation. ExpMean is the mean of singularity exponents	17.4
		ExpMean		
		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 $\alpha 1$	The MFDFA corresponding to short-term correlation. ExpRange is the range of singularity exponents	15.9
		ExpRange		

Harmony		DFA $\alpha 2$ 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 $\alpha 1$	The DFA corresponding to short-term correlation	16.4
		DFA $\alpha 2$	The DFA corresponding to long-term correlation	16.3
		LFHF	The ratio between LF and HF	16.3
		DFA $\alpha 2$ 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 $\alpha 2$ ExpMean	The MFDFA corresponding to long-term correlation. ExpMean is the mean of singularity exponents	15.6
		DFA $\alpha 1$ DimMean	The MFDFA corresponding to short-term correlation. DimMean is the mean of singularity dimensions	15.5
		DFA $\alpha 2$ 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
		HF _n	The normalized HF	13.2
		CSI	The Cardiac Sympathetic Index	11.1
	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 $\alpha 1$ 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