HRV Analysis Results

RR Interval Time Series   **Results for a single sample**

Selected RR Series
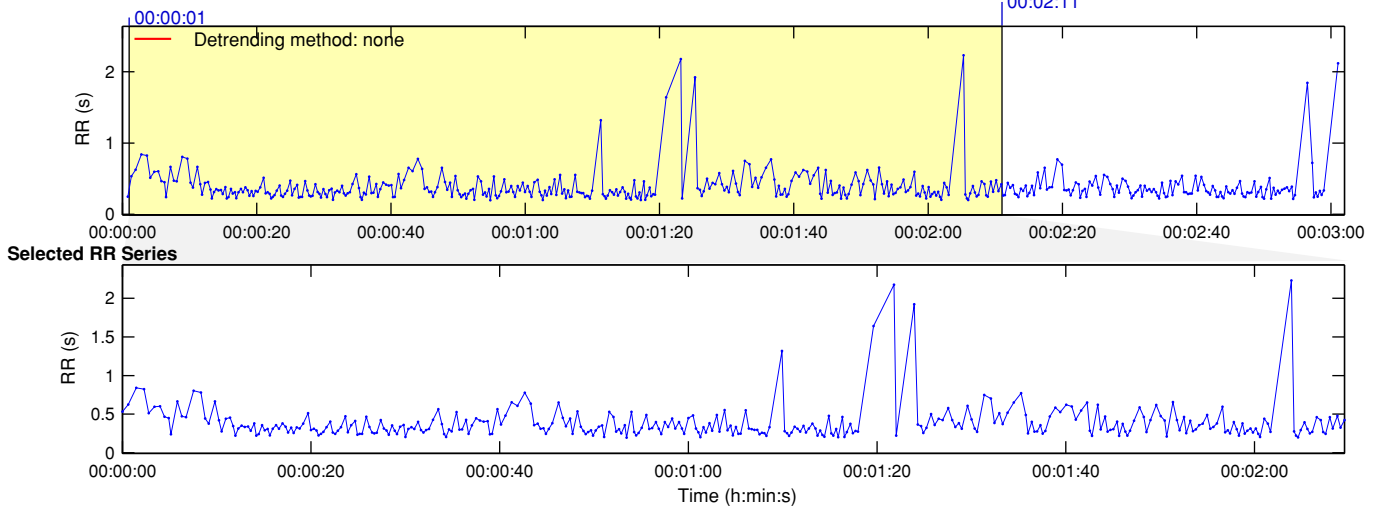
Time–Domain Results

Variable	Units	Value
Mean RR*	(ms)	383.7
STD RR (SDNN)	(ms)	224.9
Mean HR*	(1/min)	181.56
STD HR	(1/min)	56.69
RMSSD	(ms)	286.0
NN50	(count)	243
pNN50	(%)	71.9
RR triangular index		14.125
TINN	(ms)	1020.0

Distributions*
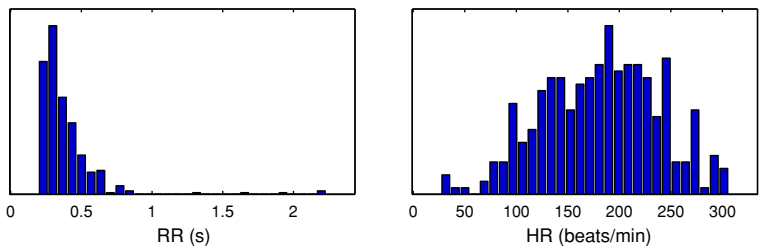
Frequency–Domain Results

FFT spectrum   (Welch's periodogram: 256 s window with 50% overlap)

EDR=0.13 Hz
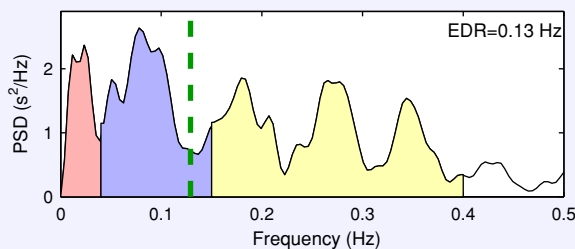
Frequency Band	Peak (Hz)	Power (ms^2)	Power (%)	Power (n.u.)
VLF (0–0.04 Hz)	0.0234	63671	12.9	
LF (0.04–0.15 Hz)	0.0781	172796	34.9	40.1
HF (0.15–0.4 Hz)	0.1797	257874	52.1	59.8
Total		495013		
LF/HF		0.670		

AR Spectrum   (AR model order = 16, not factorized)
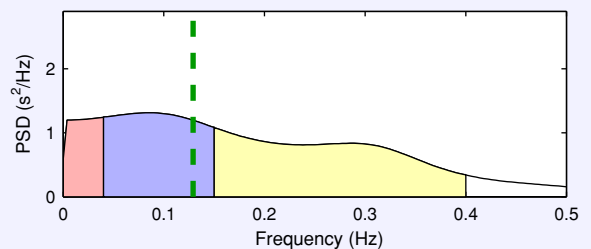
Frequency Band	Peak (Hz)	Power (ms^2)	Power (%)	Power (n.u.)
VLF (0–0.04 Hz)	0.0391	47275	12.6	
LF (0.04–0.15 Hz)	0.0859	137652	36.7	42.0
HF (0.15–0.4 Hz)	0.1523	189182	50.5	57.8
Total		374786		
LF/HF		0.728		

Nonlinear Results

Variable	Units	Value
Poincare plot		
SD1	(ms)	202.5
SD2	(ms)	245.7
Recurrence plot		
Mean line length (Lmean)	(beats)	19.07
Max line length (Lmax)	(beats)	172
Recurrence rate (REC)	(%)	63.62
Determinism (DET)	(%)	99.38
Shannon Entropy (ShanEn)		3.575
Other		
Approximate entropy (ApEn)		1.175
Sample entropy (SampEn)		1.237
Detrended fluctuations (DFA): $\alpha 1$		0.829
Detrended fluctuations (DFA): $\alpha 2$		0.724
Correlation dimension (D2)		0.298
Multiscale entropy (MSE)		0.488 – 1.237

Poincare Plot
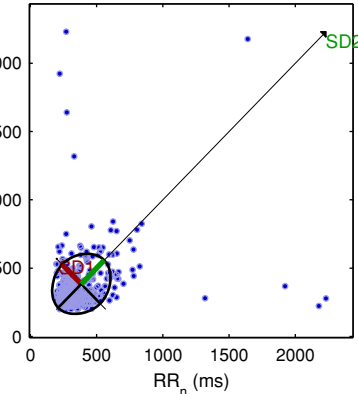
Detrended fluctuations (DFA)
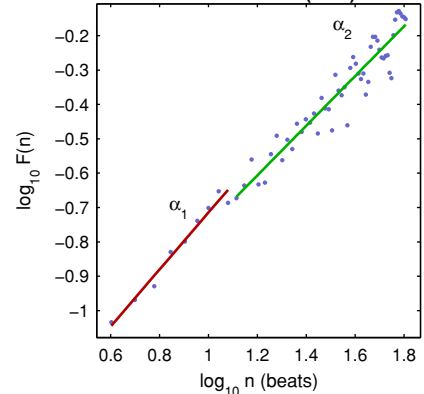
*Results are calculated from the non–detrended selected RR series.