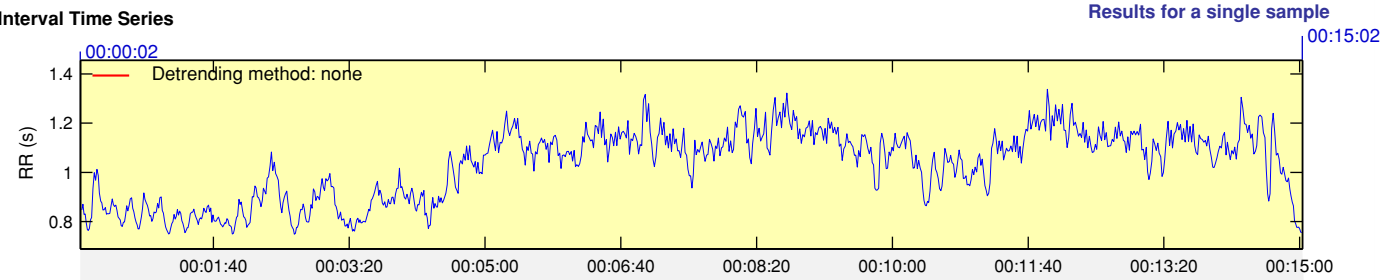
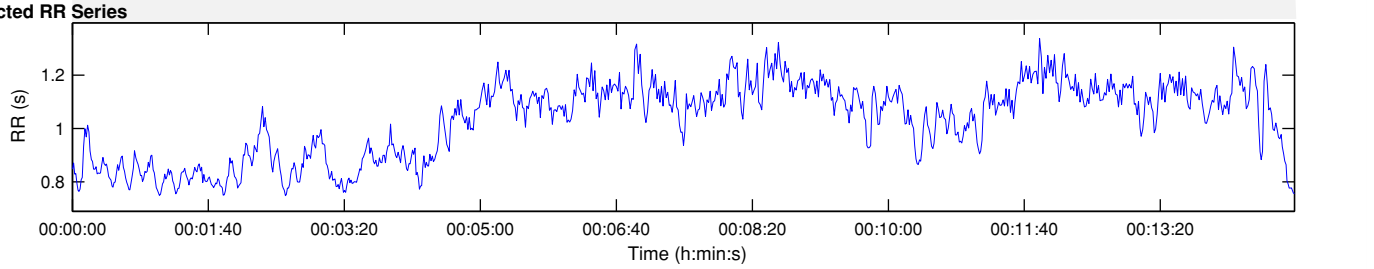
HRV Analysis Results

RR Interval Time Series

Results for a single sample



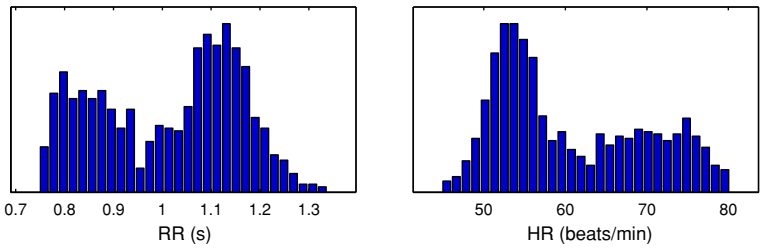
Selected RR Series



Time–Domain Results

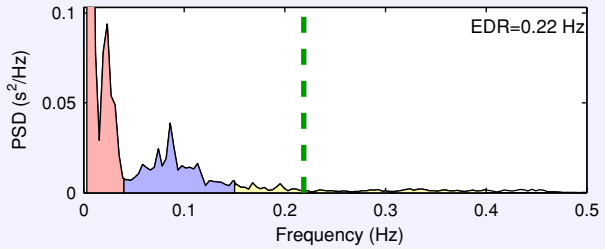
Variable	Units	Value
Mean RR*	(ms)	1012.9
STD RR (SDNN)	(ms)	145.2
Mean HR*	(1/min)	60.53
STD HR	(1/min)	9.13
RMSSD	(ms)	46.2
NN50	(count)	219
pNN50	(%)	24.7
RR triangular index		30.621
TINN	(ms)	375.0

Distributions*



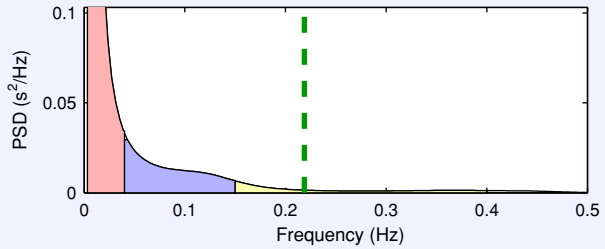
Frequency–Domain Results

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



Frequency Band	Peak (Hz)	Power (ms²)	Power (%)	Power (n.u.)
VLF (0.0033–0.04 Hz)	0.0000	5442	38.3	
LF (0.04–0.15 Hz)	0.0859	1373	9.7	15.7
HF (0.15–0.4 Hz)	0.1680	384	2.7	4.4
Total		14201		
LF/HF		3.571		

AR Spectrum (AR model order = 16, not factorized)

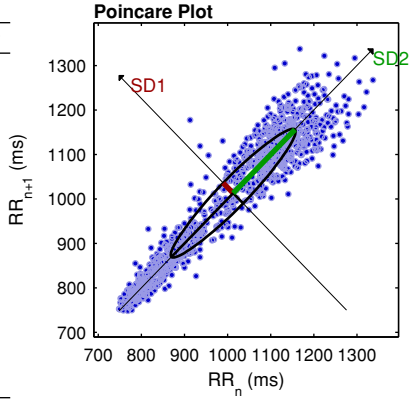


Frequency Band	Peak (Hz)	Power (ms²)	Power (%)	Power (n.u.)
VLF (0.0033–0.04 Hz)	0.0000	8638	51.0	
LF (0.04–0.15 Hz)	0.0430	1560	9.2	18.8
HF (0.15–0.4 Hz)	0.1523	419	2.5	5.1
Total		16928		
LF/HF		3.722		

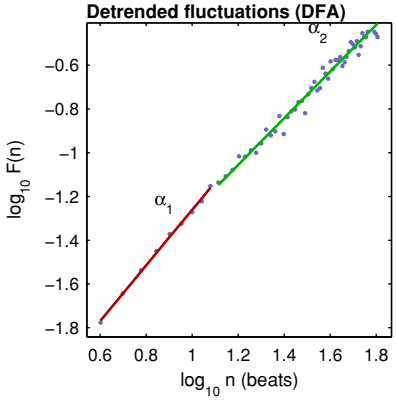
Nonlinear Results

Variable	Units	Value
Poincare plot		
SD1	(ms)	32.7
SD2	(ms)	202.6
Recurrence plot		
Mean line length (Lmean)	(beats)	38.83
Max line length (Lmax)	(beats)	878
Recurrence rate (REC)	(%)	48.05
Determinism (DET)	(%)	99.84
Shannon Entropy (ShanEn)		4.462
Other		
Approximate entropy (ApEn)		0.942
Sample entropy (SampEn)		0.821
Detrended fluctuations (DFA): $\alpha 1$		1.270
Detrended fluctuations (DFA): $\alpha 2$		1.067
Correlation dimension (D2)		3.507

Poincare Plot



Detrended fluctuations (DFA)



*Results are calculated from the non–detrended selected RR series.