

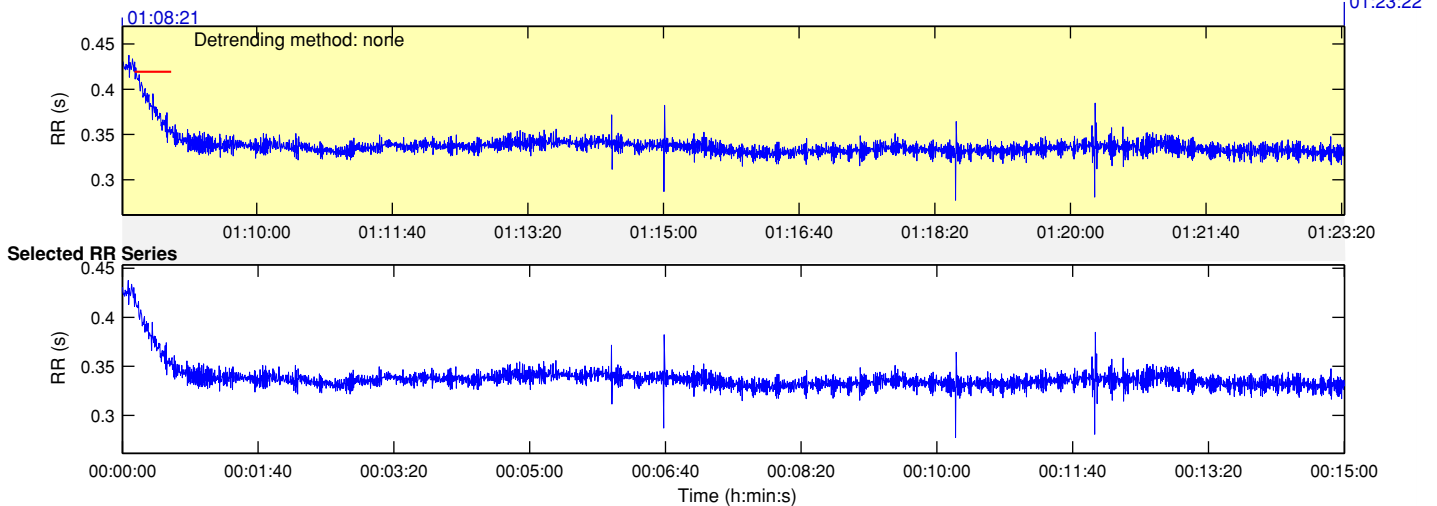
HRV Analysis Results

ecg-data-5.csv – xx/xx/xx – xx:xx:xx

Page 1/1

RR Interval Time Series

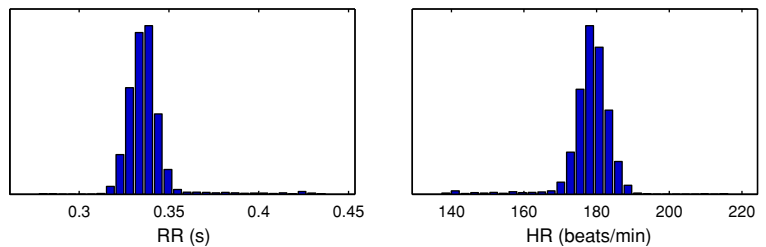
Results for a single sample



Time-Domain Results

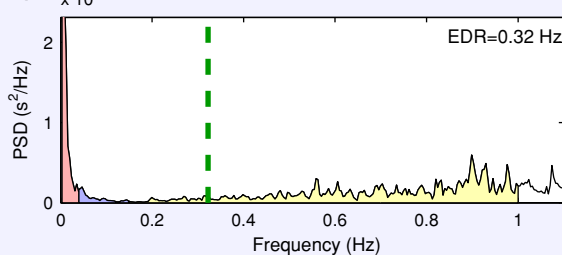
Variable	Units	Value
Mean RR*	(ms)	337.3
STD RR (SDNN)	(ms)	13.3
Mean HR*	(1/min)	178.13
STD HR	(1/min)	6.25
RMSSD	(ms)	11.6
NN50	(count)	7
pNN50	(%)	0.3
RR triangular index		2.670
TINN	(ms)	110.0

Distributions*



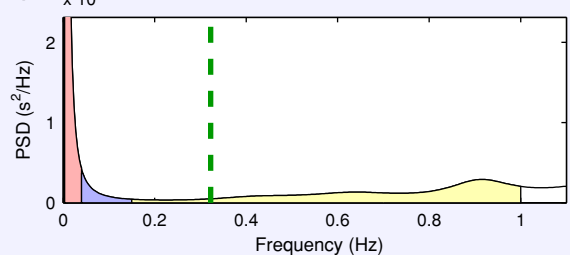
Frequency-Domain Results

FFT spectrum⁻⁴ (Welch's periodogram: 256 s window with 50% overlap)



Frequency Band	Peak (Hz)	Power (ms ²)	Power (%)	Power (n.u.)
VLF (0.0033–0.04 Hz)	0.0000	6	25.9	
LF (0.04–0.15 Hz)	0.0469	1	2.4	3.2
HF (0.15–1 Hz)	0.8984	10	42.2	57.0
Total		25		
LF/HF		0.057		

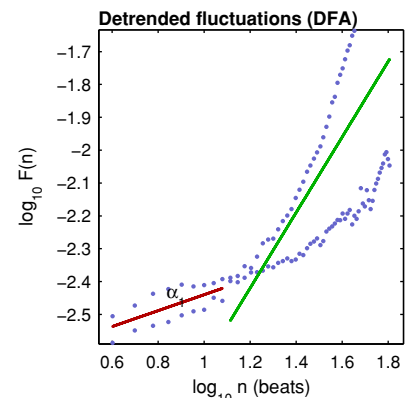
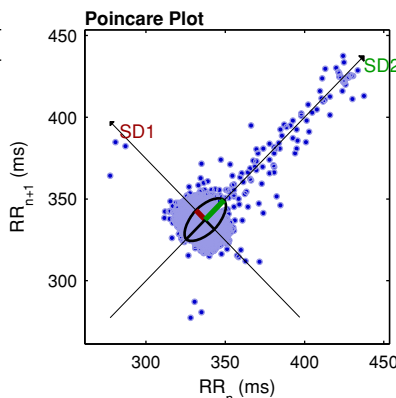
AR Spectrum⁻⁴ (AR model order = 16, not factorized)



Frequency Band	Peak (Hz)	Power (ms ²)	Power (%)	Power (n.u.)
VLF (0.0033–0.04 Hz)	0.0000	17	9.6	
LF (0.04–0.15 Hz)	0.0430	1	0.8	0.8
HF (0.15–1 Hz)	0.9141	10	5.8	6.4
Total		177		
LF/HF		0.132		α_2

Nonlinear Results

Variable	Units	Value
Poincare plot		
SD1	(ms)	8.2
SD2	(ms)	16.8
Recurrence plot		
Mean line length (Lmean)	(beats)	184.01
Max line length (Lmax)	(beats)	570
Recurrence rate (REC)	(%)	58.11
Determinism (DET)	(%)	98.69
Shannon Entropy (ShanEn)		4.594
Other		
Approximate entropy (ApEn)		1.202
Sample entropy (SampEn)		1.257
Detrended fluctuations (DFA): α_1		0.242
Detrended fluctuations (DFA): α_2		1.149
Correlation dimension (D2)		0.048



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