

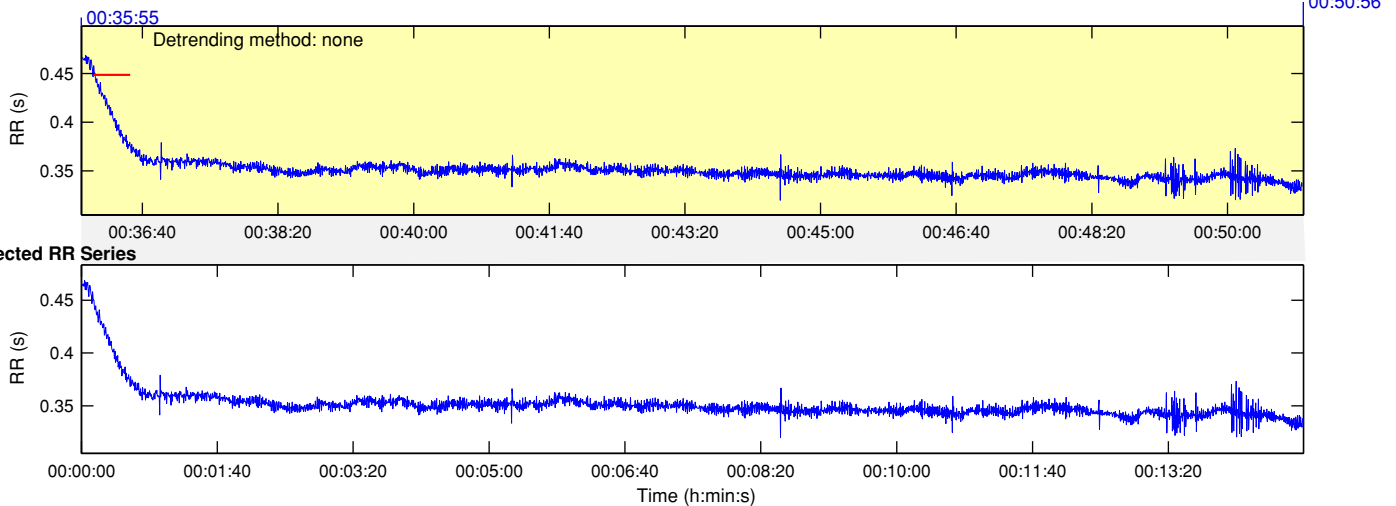
HRV Analysis Results

ecg-data-3.csv - xx/xx/xx - xx:xx:xx

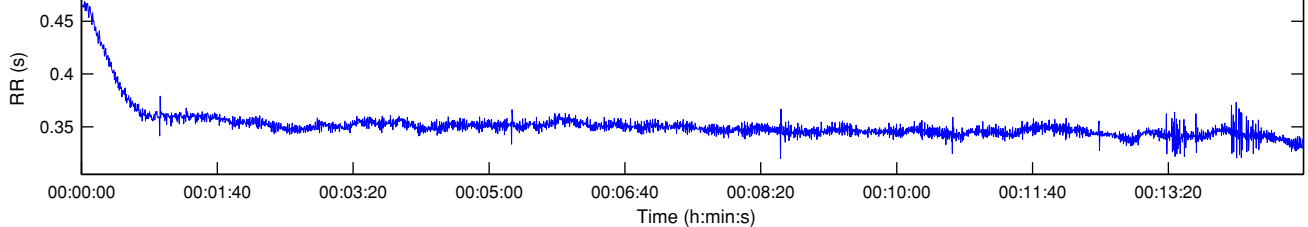
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RR Interval Time Series

Results for a single sample



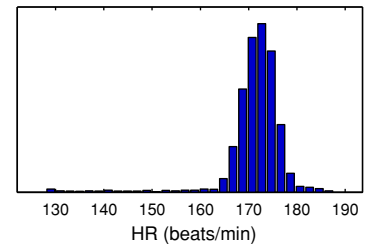
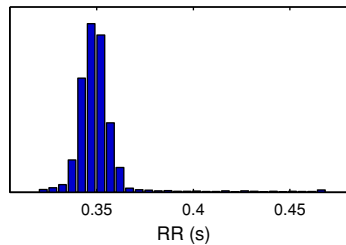
Selected RR Series



Time-Domain Results

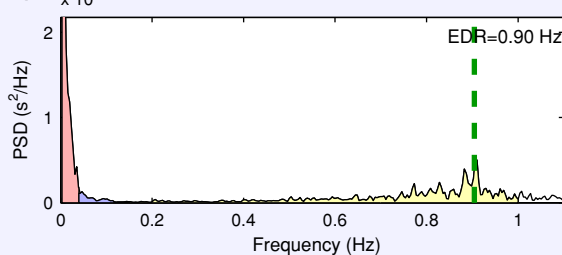
Variable	Units	Value
Mean RR*	(ms)	350.8
STD RR (SDNN)	(ms)	15.4
Mean HR*	(1/min)	171.32
STD HR	(1/min)	6.41
RMSSD	(ms)	7.4
NN50	(count)	1
pNN50	(%)	0.0
RR triangular index		2.270
TINN	(ms)	105.0

Distributions*



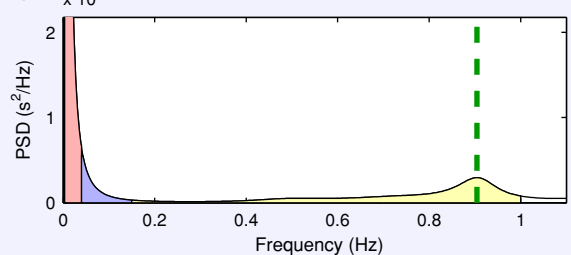
Frequency-Domain Results

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	10	33.2	
LF (0.04-0.15 Hz)	0.0469	0	1.6	2.4
HF (0.15-1 Hz)	0.9063	5	18.7	28.0
Total		29		
LF/HF		0.085		

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

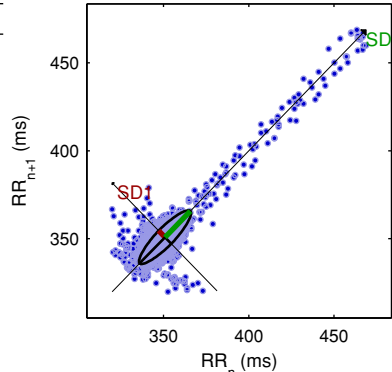


Frequency Band	Peak (Hz)	Power (ms ²)	Power (%)	Power (n.u.)
VLF (0.0033-0.04 Hz)	0.0000	29	9.6	
LF (0.04-0.15 Hz)	0.0430	2	0.6	0.6
HF (0.15-1 Hz)	0.9063	6	2.2	2.4
Total		300		
LF/HF		0.260		α_2

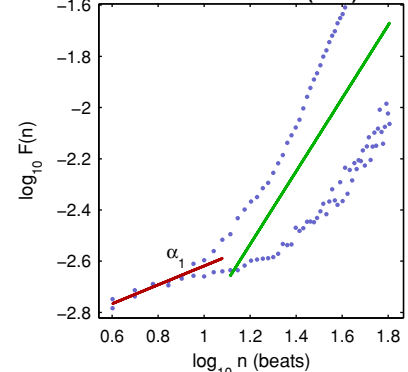
Nonlinear Results

Variable	Units	Value
Poincare plot		
SD1	(ms)	5.3
SD2	(ms)	21.0
Recurrence plot		
Mean line length (Lmean)	(beats)	224.99
Max line length (Lmax)	(beats)	568
Recurrence rate (REC)	(%)	55.47
Determinism (DET)	(%)	98.74
Shannon Entropy (ShanEn)		4.783
Other		
Approximate entropy (ApEn)		1.092
Sample entropy (SampEn)		1.450
Detrended fluctuations (DFA): α_1		0.369
Detrended fluctuations (DFA): α_2		1.426
Correlation dimension (D2)		0.042

Poincare Plot



Detrended fluctuations (DFA)



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