

HRV Analysis Results

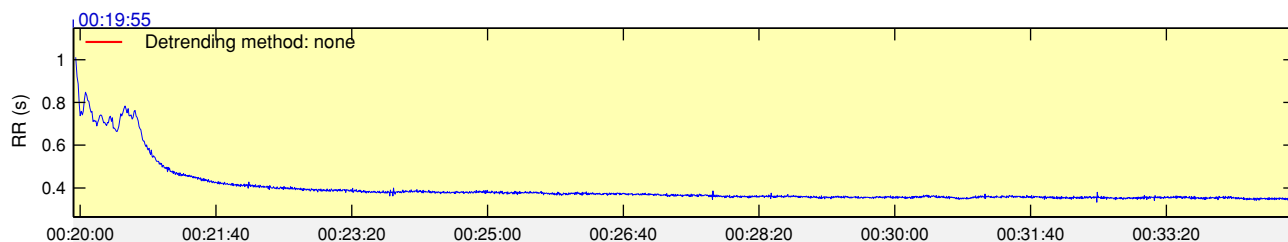
ecg-data-2.csv - xx/xx/xx - xx:xx:xx

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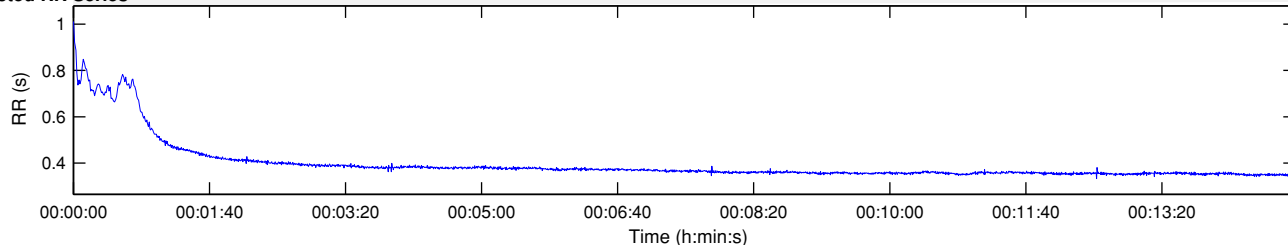
RR Interval Time Series

Results for a single sample

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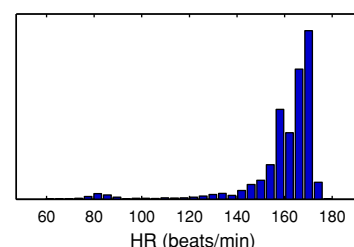
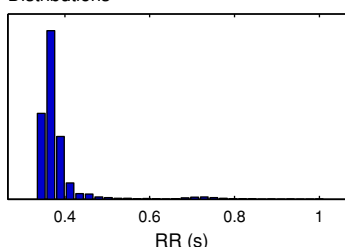
Selected RR Series



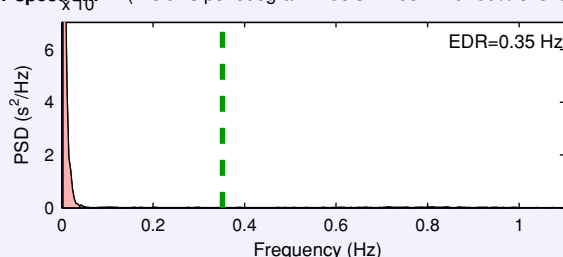
Time-Domain Results

Variable	Units	Value
Mean RR*	(ms)	383.6
STD RR (SDNN)	(ms)	69.3
Mean HR*	(1/min)	159.43
STD HR	(1/min)	17.18
RMSSD	(ms)	7.3
NN50	(count)	4
pNN50	(%)	0.2
RR triangular index		4.014
TINN	(ms)	480.0

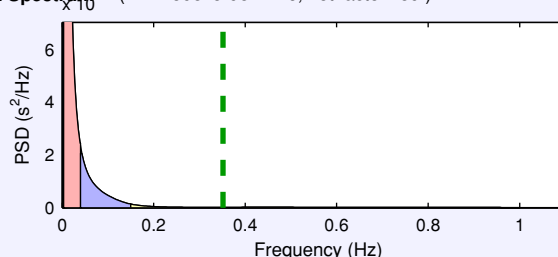
Distributions*



Frequency-Domain Results

FFT spectrum⁻³ (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	322	33.1	
LF (0.04-0.15 Hz)	0.0430	2	0.2	0.3
HF (0.15-1 Hz)	0.8086	7	0.7	1.1
Total		972		
LF/HF		0.245		

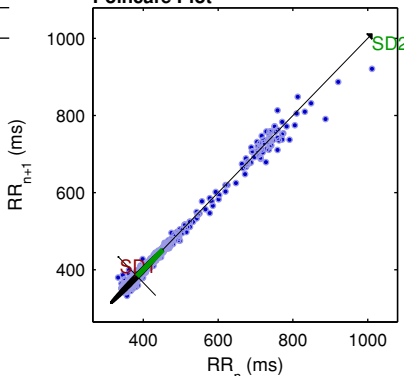
AR Spectrum⁻³ (AR model order = 16, not factorized)

Frequency Band	Peak (Hz)	Power (ms ²)	Power (%)	Power (n.u.)
VLF (0.0033-0.04 Hz)	0.0000	887	9.1	
LF (0.04-0.15 Hz)	0.0430	77	0.8	0.9
HF (0.15-1 Hz)	0.1523	16	0.2	0.2
Total		9774		
LF/HF		4.891		

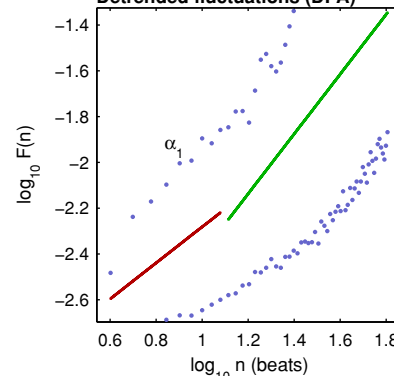
Nonlinear Results

Variable	Units	Value
Poincare plot		
SD1	(ms)	5.2
SD2	(ms)	97.0
Recurrence plot		
Mean line length (Lmean)	(beats)	223.86
Max line length (Lmax)	(beats)	654
Recurrence rate (REC)	(%)	60.17
Determinism (DET)	(%)	98.99
Shannon Entropy (ShanEn)		5.063
Other		
Approximate entropy (ApEn)		0.800
Sample entropy (SampEn)		0.862
Detrended fluctuations (DFA): α_1		0.788
Detrended fluctuations (DFA): α_2		1.306
Correlation dimension (D2)		0.151

Poincare Plot



Detrended fluctuations (DFA)



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