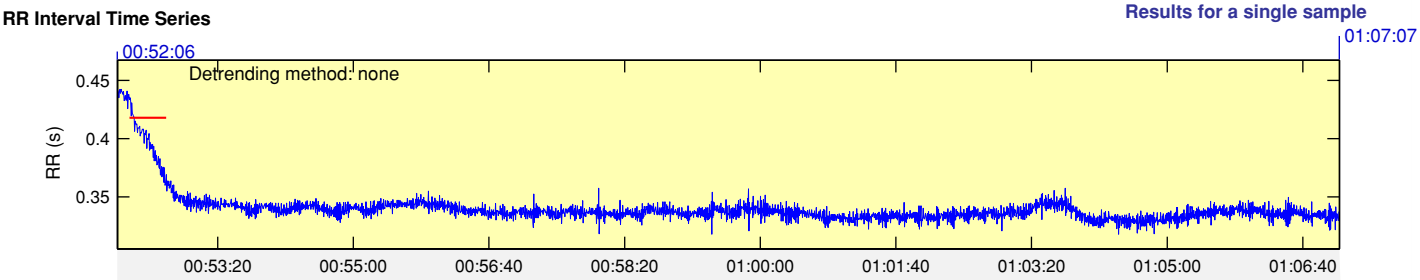
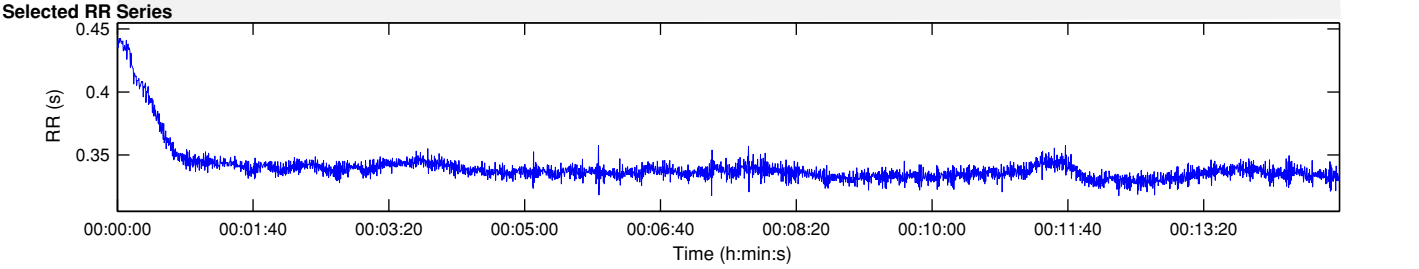
HRV Analysis Results

RR Interval Time Series

Results for a single sample



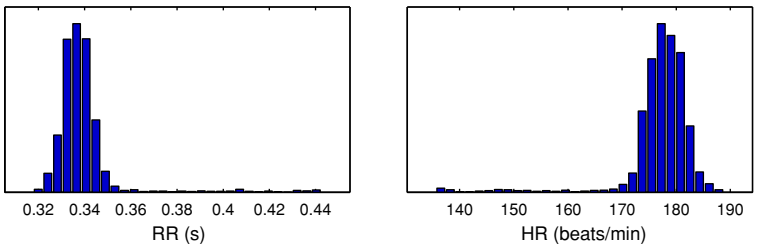
Selected RR Series



Time−Domain Results

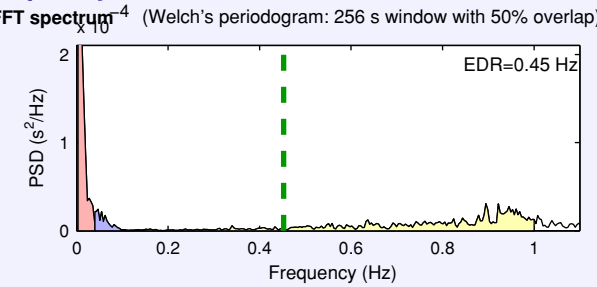
Variable	Units	Value
Mean RR*	(ms)	339.4
STD RR (SDNN)	(ms)	14.2
Mean HR*	(1/min)	177.06
STD HR	(1/min)	6.33
RMSSD	(ms)	7.3
NN50	(count)	0
pNN50	(%)	0.0
RR triangular index		2.084
TINN	(ms)	90.0

Distributions*



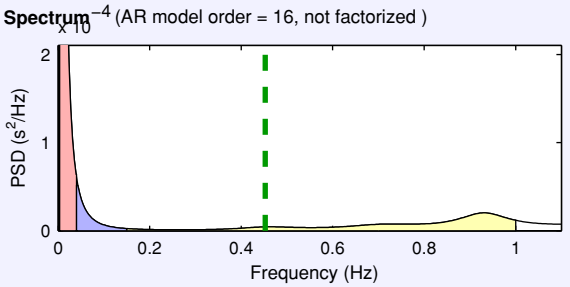
Frequency−Domain Results

FFT spectrum (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	11	39.2	
LF (0.04−0.15 Hz)	0.0469	1	2.4	4.0
HF (0.15−1 Hz)	0.8945	5	18.9	31.1
Total		27		
LF/HF		0.128		

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

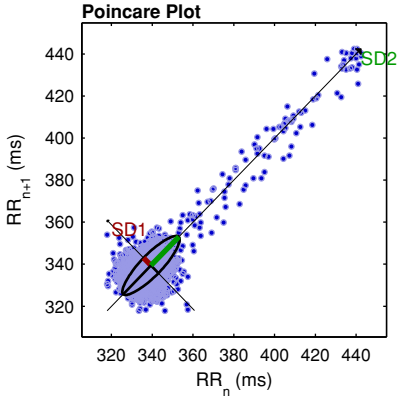


Frequency Band	Peak (Hz)	Power (ms^2)	Power (%)	Power (n.u.)
VLF (0.0033−0.04 Hz)	0.0000	28	15.6	
LF (0.04−0.15 Hz)	0.0430	1	0.8	1.0
HF (0.15−1 Hz)	0.9297	5	3.0	3.5
Total		178		
LF/HF		0.282	α_2	

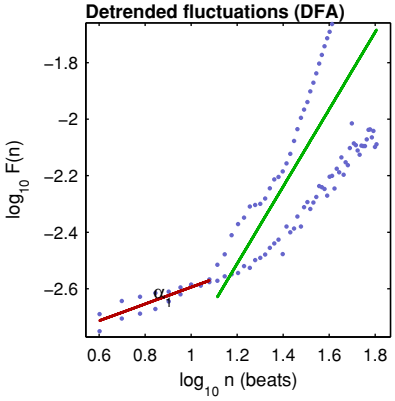
Nonlinear Results

Variable	Units	Value
Poincare plot		
SD1	(ms)	5.2
SD2	(ms)	19.3
Recurrence plot		
Mean line length (Lmean)	(beats)	224.65
Max line length (Lmax)	(beats)	544
Recurrence rate (REC)	(%)	54.41
Determinism (DET)	(%)	98.29
Shannon Entropy (ShanEn)		4.705
Other		
Approximate entropy (ApEn)		1.099
Sample entropy (SampEn)		1.197
Detrended fluctuations (DFA): $\alpha 1$		0.297
Detrended fluctuations (DFA): $\alpha 2$		1.365
Correlation dimension (D2)		0.039

Poincare Plot



Detrended fluctuations (DFA)



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