

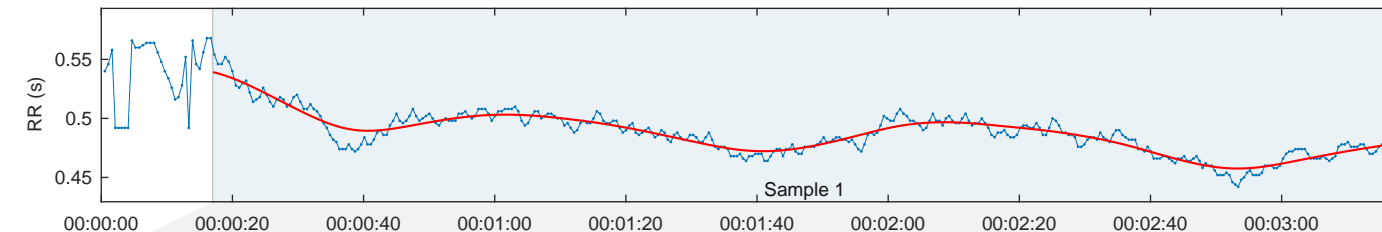
# HRV Analysis Results

rr\_interval\_sugata\_3\_ultra.csv - -

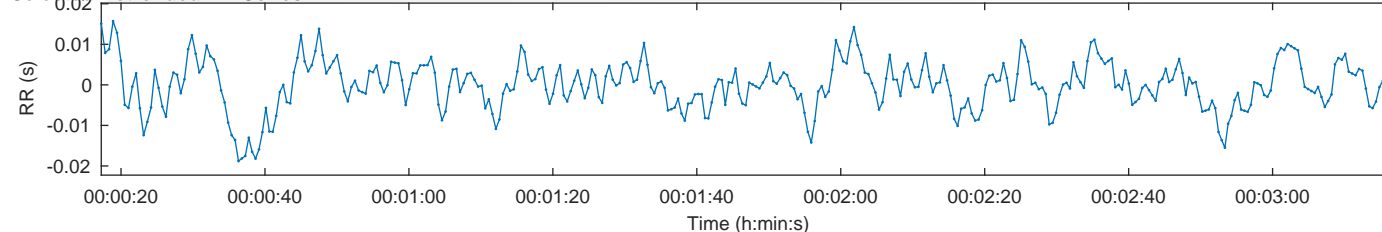
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Person:			Measurement Info			Results for Sample	
Gender:	Male	Height:	180 cm	Date:		Sample start:	00:00:17
Age:	50 years	Weight:	78 kg	Start time:	00:00:00	Sample length:	00:03:00
Max HR:	170 bpm	BMI:	24.1 kg/m <sup>2</sup>	Duration:	00:03:17	Analysis samples:	1
			Trend removal:			Beats corrected:	Uncorrected
			Smoothn priors:				
			Artefact corr.:				

## RR Time Series



## Selected Detrended RR Series



## Autonomic nervous system indexes

### Parasympathetic Nervous System (PNS)

Mean RR: 487 ms, RMSSD: 3.6 ms, SD1: 24.4%

**PNS Index = -3.40**

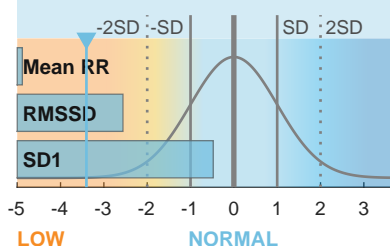
### Sympathetic Nervous System (SNS)

Mean HR: 123 bpm, Stress index: 54.4, SD2: 75.6%

**SNS Index = 11.99**

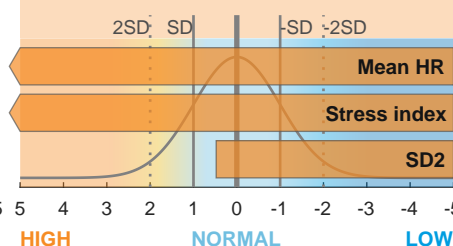
### Parasympathetic tone (recovery)

PNS Index = -3.40



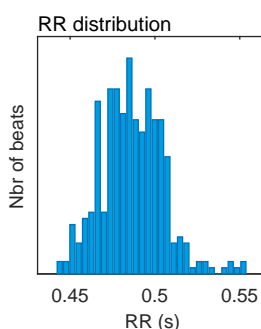
### Sympathetic tone (stress)

SNS Index = 11.99



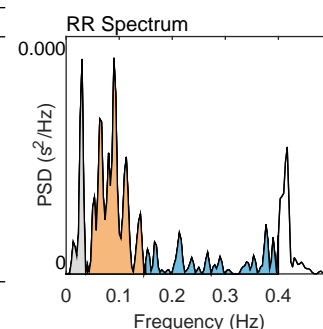
## Time-Domain Results

Variable	Units	Value
Mean RR*	(ms)	487
Mean HR*	(bpm)	123
Min HR	(bpm)	109
Max HR	(bpm)	135
SDNN	(ms)	5.9
RMSSD	(ms)	3.6
NN50	(beats)	0
pNN50	(%)	0.00
RR triangular index		1.90
TINN	(ms)	28.0
Stress Index (SI)		54.4



## Frequency-Domain Results (FFT spectrum)

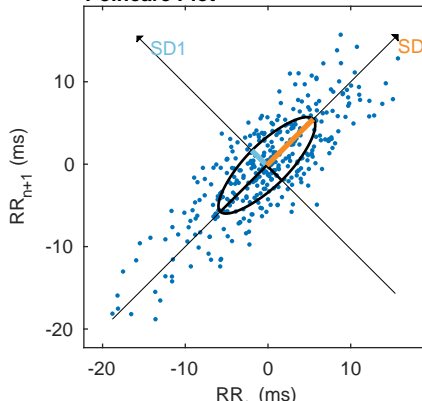
Variable	Units	VLF	LF	HF
Frequency band (Hz)		0.00-0.04	0.04-0.15	0.15-0.40
Peak frequency (Hz)		0.030	0.090	0.377
Power	(ms <sup>2</sup> )	3	12	4
Power	(log)	1.150	2.508	1.434
Power	(%)	16.03	62.33	21.28
Power	(n.u.)		74.23	25.34
Total power	(ms <sup>2</sup> )	20		
Total Power	(log)	2.981		
LF/HF ratio		2.929		
RESP	(Hz)	-		



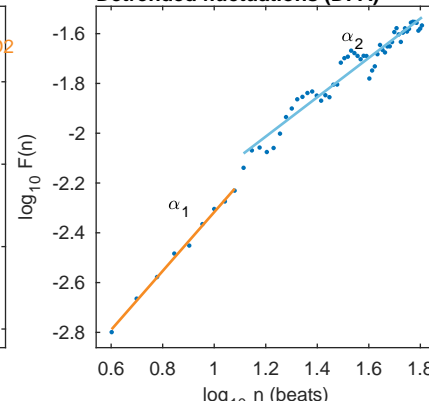
## Nonlinear Results

Variable	Units	Value
Poincare Plot		
SD1	(ms)	2.6
SD2	(ms)	7.9
SD2/SD1		3.102
Approximate Entropy (ApEn)		1.104
Sample Entropy (SampEn)		1.453
Detrended Fluctuation Analysis (DFA)		
Short-term fluctuations, $\alpha_1$		1.182
Long-term fluctuations, $\alpha_2$		0.790

### Poincare Plot



### Detrended fluctuations (DFA)



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