

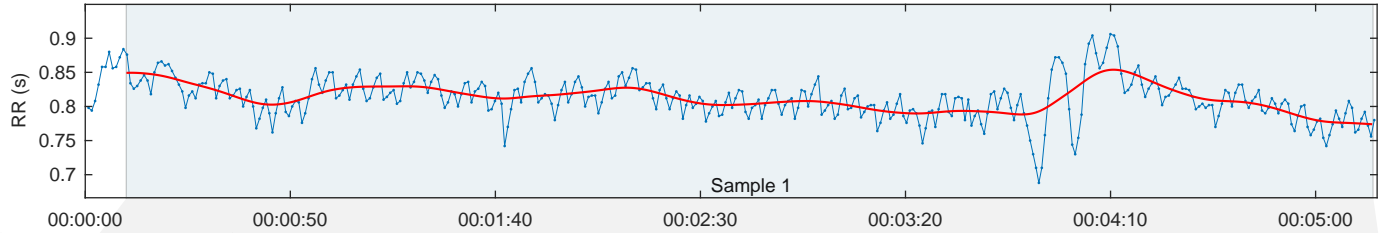
# HRV Analysis Results

rr\_interval\_takei\_0\_rest.csv - -

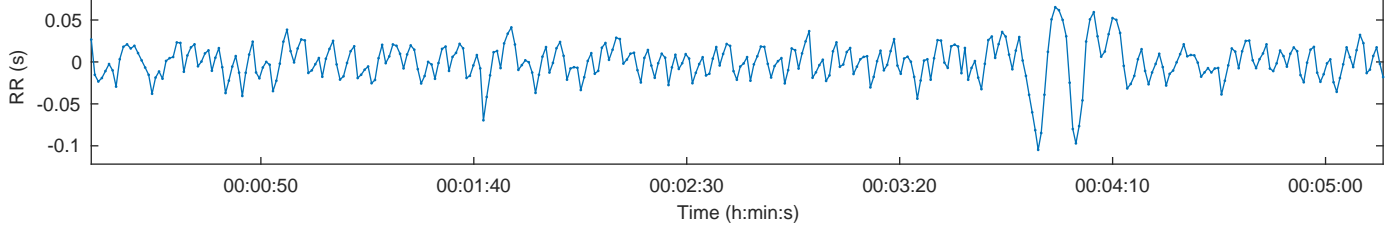
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Person:			Measurement Info			Results for Sample	
Gender:	Male	Height:	180 cm	Date:		Sample start:	00:00:10
Age:	50 years	Weight:	78 kg	Start time:	00:00:00	Sample length:	00:05:04
Max HR:	170 bpm	BMI:	24.1 kg/m2	Duration:	00:05:15	Analysis samples:	1
			Trend removal:			Smoothn priors:	none
			Artefact corr.:			Beats corrected:	Uncorrected

## RR Time Series



## Selected Detrended RR Series



## Autonomic nervous system indexes

### Parasympathetic Nervous System (PNS)

Mean RR 811 ms RMSSD 19.2 ms SD1 32.4%

**PNS Index = -1.12**

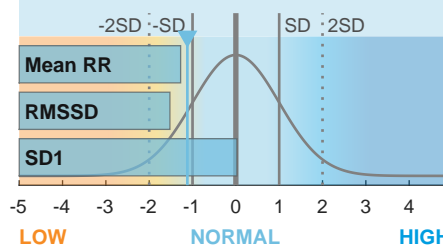
### Sympathetic Nervous System (SNS)

Mean HR 74 bpm Stress index 15.9 SD2 67.6%

**SNS Index = 1.55**

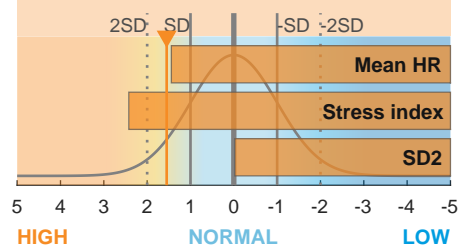
### Parasympathetic tone (recovery)

PNS Index = -1.12



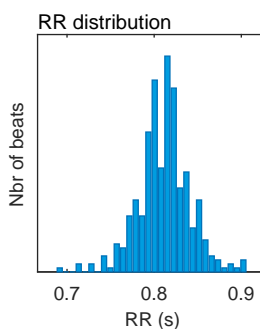
### Sympathetic tone (stress)

SNS Index = 1.55



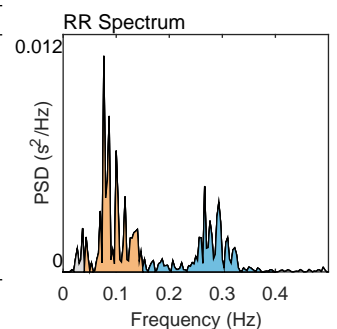
## Time-Domain Results

Variable	Units	Value
Mean RR*	(ms)	811
Mean HR*	(bpm)	74
Min HR	(bpm)	67
Max HR	(bpm)	84
SDNN	(ms)	22.2
RMSSD	(ms)	19.2
NN50	(beats)	6
pNN50	(%)	1.60
RR triangular index		6.36
TINN	(ms)	130.0
Stress Index (SI)		15.9



## Frequency-Domain Results (FFT spectrum)

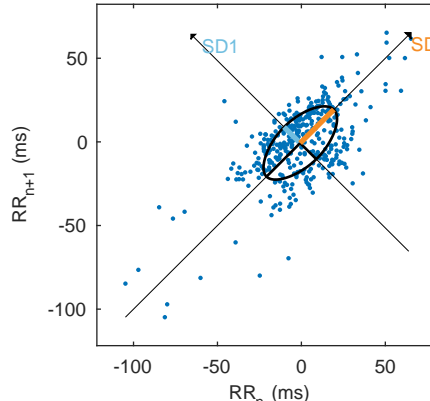
Variable	Units	VLF	LF	HF
Frequency band (Hz)		0.00-0.04	0.04-0.15	0.15-0.40
Peak frequency (Hz)		0.037	0.077	0.267
Power	(ms <sup>2</sup> )	17	212	146
Power	(log)	2.842	5.355	4.984
Power	(%)	4.58	56.45	38.97
Power	(n.u.)		59.16	40.84
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Total power	(ms <sup>2</sup> )	375		
Total Power	(log)	5.927		
LF/HF ratio		1.448		
RESP	(Hz)	-		



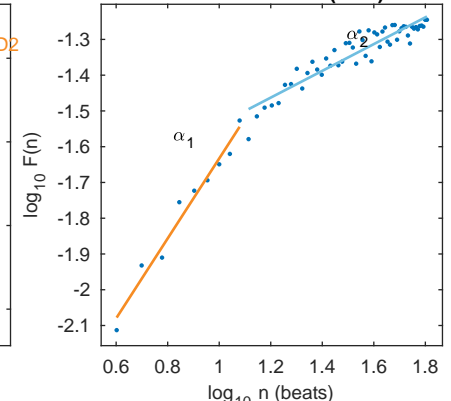
## Nonlinear Results

Variable	Units	Value
Poincare Plot		
SD1	(ms)	13.6
SD2	(ms)	28.4
SD2/SD1		2.088
Approximate Entropy (ApEn)		1.171
Sample Entropy (SampEn)		1.548
Detrended Fluctuation Analysis (DFA)		
Short-term fluctuations, $\alpha_1$		1.118
Long-term fluctuations, $\alpha_2$		0.374

### Poincare Plot



### Detrended fluctuations (DFA)



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