

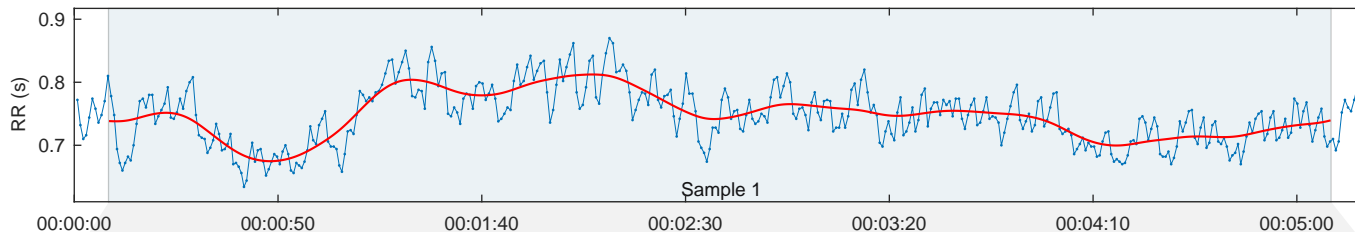
# HRV Analysis Results

rr\_interval\_kanemoto\_4\_overload.csv - -

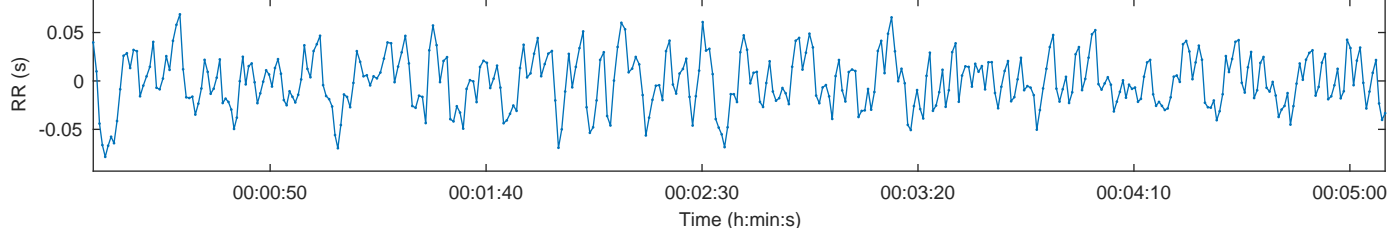
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Person:			Measurement Info			Results for Sample	
Gender:	Male	Height:	180 cm	Date:		Sample start:	00:00:09
Age:	50 years	Weight:	78 kg	Start time:	00:00:00	Sample length:	00:05:00
Max HR:	170 bpm	BMI:	24.1 kg/m <sup>2</sup>	Duration:	00:05:17	Analysis 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 RMSSD SD1  
744 ms 24.5 ms 33.4%

**PNS Index = -1.27**

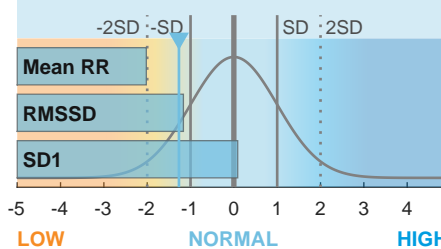
### Sympathetic Nervous System (SNS)

Mean HR Stress index SD2  
81 bpm 15.8 66.6%

**SNS Index = 1.94**

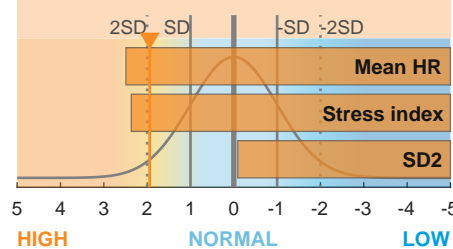
### Parasympathetic tone (recovery)

PNS Index = -1.27



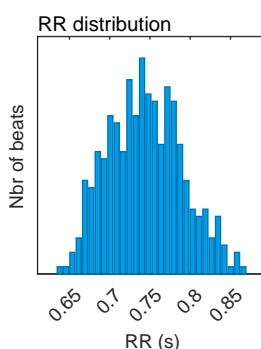
### Sympathetic tone (stress)

SNS Index = 1.94



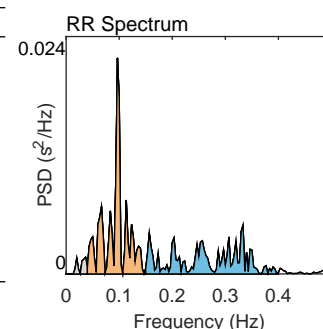
## Time-Domain Results

Variable	Units	Value
Mean RR*	(ms)	744
Mean HR*	(bpm)	81
Min HR	(bpm)	71
Max HR	(bpm)	92
SDNN	(ms)	27.4
RMSSD	(ms)	24.5
NN50	(beats)	16
pNN50	(%)	3.98
RR triangular index		8.06
TINN	(ms)	131.0
Stress Index (SI)		15.8



## Frequency-Domain Results (FFT spectrum)

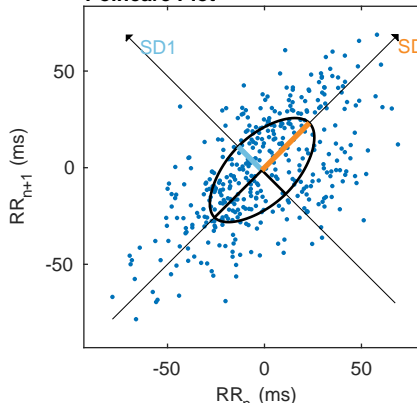
Variable	Units	VLF	LF	HF
Frequency band (Hz)		0.00-0.04	0.04-0.15	0.15-0.40
Peak frequency (Hz)		0.037	0.097	0.333
Power	(ms <sup>2</sup> )	24	433	329
Power	(log)	3.193	6.072	5.795
Power	(%)	3.10	55.09	41.79
Power	(n.u.)		56.85	43.12
Total power		(ms <sup>2</sup> )	787	
Total Power		(log)	6.668	
LF/HF ratio			1.318	
RESP		(Hz)	-	



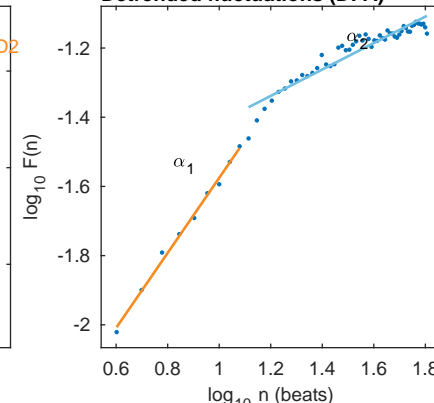
## Nonlinear Results

Variable	Units	Value
Poincare Plot		
SD1	(ms)	17.4
SD2	(ms)	34.6
SD2/SD1		1.991
Approximate Entropy (ApEn)		1.189
Sample Entropy (SampEn)		1.761
Detrended Fluctuation Analysis (DFA)		
Short-term fluctuations, $\alpha_1$		1.085
Long-term fluctuations, $\alpha_2$		0.382

### Poincare Plot



### Detrended fluctuations (DFA)



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