

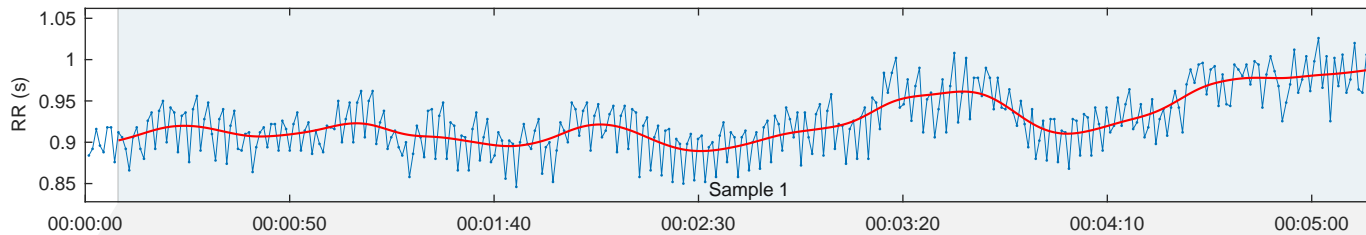
# HRV Analysis Results

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

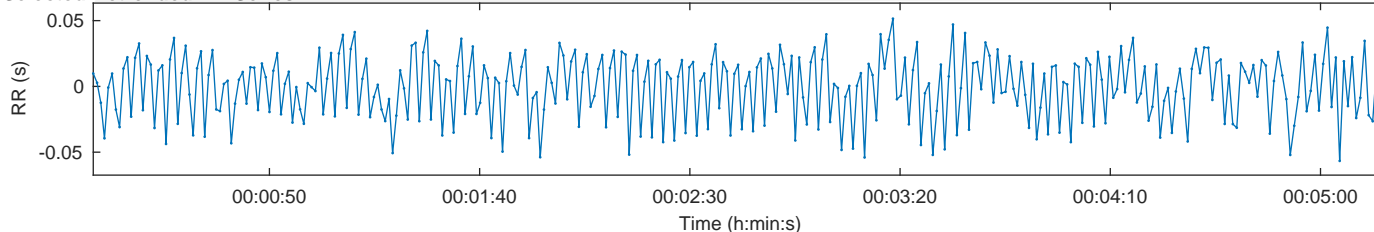
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Person:			Measurement Info			Results for Sample	
Gender:	Male	Height:	180 cm	Date:		Sample start:	00:00:08
Age:	50 years	Weight:	78 kg	Start time:	00:00:00	Sample length:	00:05:08
Max HR:	170 bpm	BMI:	24.1 kg/m <sup>2</sup>	Duration:	00:05:16	Analysis samples:	1
						Beats corrected:	Uncorrected

## RR Time Series



## Selected Detrended RR Series



## Autonomic nervous system indexes

### Parasympathetic Nervous System (PNS)

Mean RR      RMSSD      SD1  
925 ms      37.7 ms      55.3%

**PNS Index = 0.17**

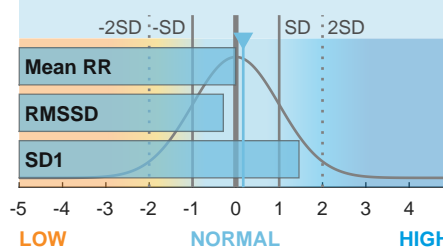
### Sympathetic Nervous System (SNS)

Mean HR      Stress index      SD2  
65 bpm      18.4      44.7%

**SNS Index = 1.06**

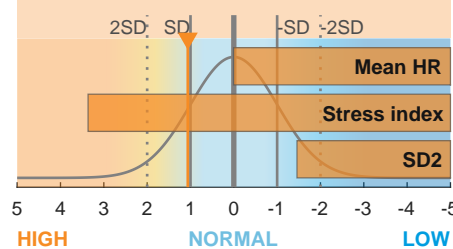
### Parasympathetic tone (recovery)

PNS Index = 0.17



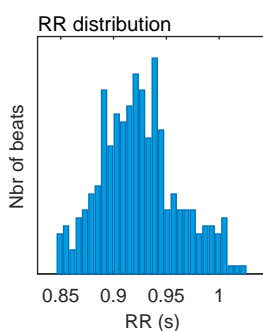
### Sympathetic tone (stress)

SNS Index = 1.06



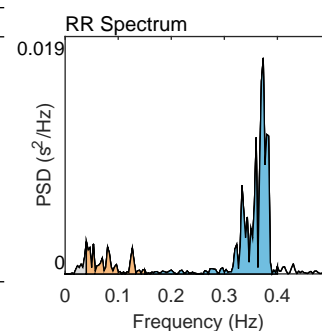
## Time-Domain Results

Variable	Units	Value
Mean RR*	(ms)	925
Mean HR*	(bpm)	65
Min HR	(bpm)	60
Max HR	(bpm)	68
SDNN	(ms)	24.3
RMSSD	(ms)	37.7
NN50	(beats)	68
pNN50	(%)	20.48
RR triangular index		5.74
TINN	(ms)	98.0
Stress Index (SI)		18.4



## Frequency-Domain Results (FFT spectrum)

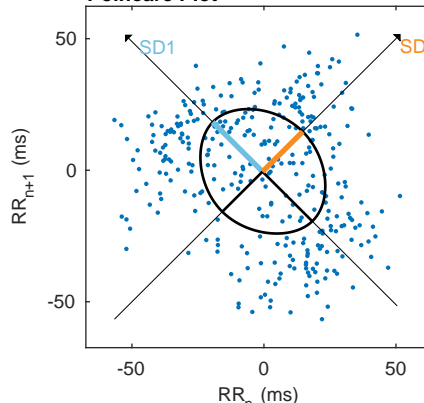
Variable	Units	VLF	LF	HF
Frequency band (Hz)		0.00-0.04	0.04-0.15	0.15-0.40
Peak frequency (Hz)		0.040	0.040	0.373
Power	(ms <sup>2</sup> )	19	84	453
Power	(log)	2.934	4.427	6.117
Power	(%)	3.38	15.04	81.48
Power	(n.u.)		15.56	84.33
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Total power	(ms <sup>2</sup> )	556		
Total Power	(log)	6.322		
LF/HF ratio		0.185		
RESP	(Hz)	-		



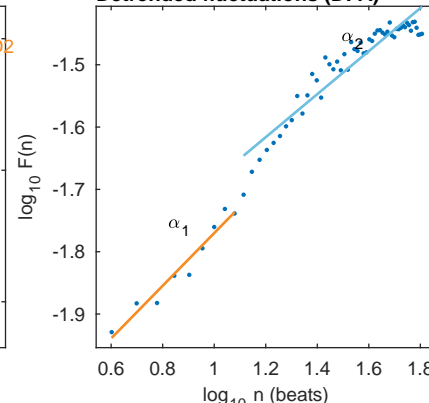
## Nonlinear Results

Variable	Units	Value
Poincare Plot		
SD1	(ms)	26.7
SD2	(ms)	21.5
SD2/SD1		0.808
Approximate Entropy (ApEn)		1.137
Sample Entropy (SampEn)		1.804
Detrended Fluctuation Analysis (DFA)		
Short-term fluctuations, $\alpha_1$		0.423
Long-term fluctuations, $\alpha_2$		0.345

### Poincare Plot



### Detrended fluctuations (DFA)



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