Non-Linear Result

Variable

anita Value

Poincamp \$10+ 502/501 (335) (MS) 42.7 39.5 1.080

Sample Entrupy (Samplea)
Detnended Fluctuation Malysis (DFA)
Short-term fluctuation, 01

OBSERVA TIONS

if is possibly the most used index to monsume S. C. D.

CONCLUSIONS

- HRY STANDARD FOFTWARE In this experiences, we learnt how to use the
- and pour sympathetic functions of the ANS. Funker lessent their heart made variability is an importer

RESULTS AND OBSEPVATIONS.

Time Domain

SHORE Index (ST)	PR Attangular index	02250	ZZGO	RMSCD	ROZZ	NON HA	BEN HA	Mean HR .	MEAN RA.	Variable
(ms)		(%)	beats	(most)	(36)	(p62)	(bpm)	(ppm)	(ME)	Units
159.0	10	26.64	10	55.2	40-7	93	000	63	959	Value

202	TE/HE Dallo	Total Power	Tatal Power	Power	Powen	Pausen	Power	Peak Prementy	Frequency band	Voriable	Frequency Do
(HE)		(109)	(4200)	(0.0)	(%)	(log)	(ms2)	(HZ)	(HZ)	Units	Domain
	6.866	4.444	Lyel		1.96	3-540	34	0.040	0.00-0.04	VIP	
				46.40	45.50	6.686	801	0. OT 0	S1-0-40-0	LP.	
				53.56	52.5/	6830	925	8 48 . 9	0-15-0-40	T.F.	

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DETECTION OF R-WAVE

decretaring eriden.
The first two data points were averaged to get an 2 min dunation mectified signal was southed in Peak level extroudien:

METHOD - & eciscion Rule (Thrusholding):

John of the average R-peak was taken as threebold to detect to - peak from the next of the signal. A Blanking

MRV Calculation

Me thock

Time Dennali

Canned me Econ leads for lead-2. Attack finger pulke Check computed input for Heart Rate (4R) 2. FREGUENCY Domain (FFT)

Leann how to verily

Have the subject still. Record baseline centual iccuel. then deep breath and hold push against a celd glotter. Have subject take a

denain to a representation in the ferequency demain. FET Fourier Tronsferb (FFT) is an algorithm that temporate the Dischele Fourier Tronsferm (DFT) to a sequence on its inverse (10 FT). Fourier orallysis congress a signal from the orbs original and vice verse.

3 types of frequency.

1. VLF - Very law frequency (0.04-015 Hz)

2. LF - low frequency (0.15-0.21 Hz)

5. HF - high frequency (0.15-0.21 Hz)

STeps

1. Noise Chainchion

3. Type Il lead, 3. To presser.

METHOD

pass filten with out-off- frequencies of Dond 16 Hz.

Description

- 1 Atmosphere thermal noise.
 - 2. Power frequency coise.

[ROBMBOLH]

0.5

SATWIK SRIMANSU SAHOO EXPERIMENT - 5B

Pion - To learn how to use HRV software.

HRV: HEUMF Rate Vaniability. Theony

a phinitive part of the nervous eysten called the automatic It is simply a precusume of the variation in time between MEHVELLE EYEFENN (ANS).

fight on flight made, the variation between subrequent beautibeats is sow. If one is in a mette relaxed state HRV is an intercetting and non-intence way to identify the ANS imbalance of a person's system is in mone of the vanicities betw

Peicente Flofs:

quantify self-inde plat used to a Sequence in princess, Literally persiedic is a type of

geometrical and ren-linear peincane plot analysis is a method to acese the dynamics of