

SINATRA



COS'E'?



SINATRA E' UN ALGORITMO APPLICABILE A TUTTI QUEI
CAMPI CHE OPERANO CON SEQUENZE TEMPORALI



LE SEQUENZE TEMPORALI SONO CAMPIONAMENTI
DI UNA MISURA CHE AVVENGONO NEL TEMPO



ALCUNI ESEMPI DI AMBITI
DI APPLICAZIONE



SETTORE
OSPEDALIERO



MONITORAGGIO DELLE CONDIZIONI DEL PAZIENTE

1 view today (critical issues)

internet connection



cost



speed



departments connection



2

today with sinatra

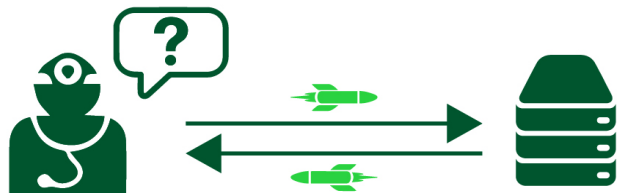
internet connection



cost



speed



departments connection



3

practice test



parameters

cardio
temperature
oxygen
body movement
pressure
hormonal level

samples

10 seconds: 1 sample
1 minute: 6 samples
1 hour: 360 samples
1 day: 8640 samples
1 month: 259.200 samples
1 year: 3.110.400 samples

x6 parameters

18.662.400 samples

x 50 patients

933.120.000 samples

1 samples = 100 byte

88,9 gb

now

24 hours work

1/103 compression

0,86 gb

hackathon
sinatra

1 week work

1/1000 compression

0,088 gb

sinatra

amount

how

quality

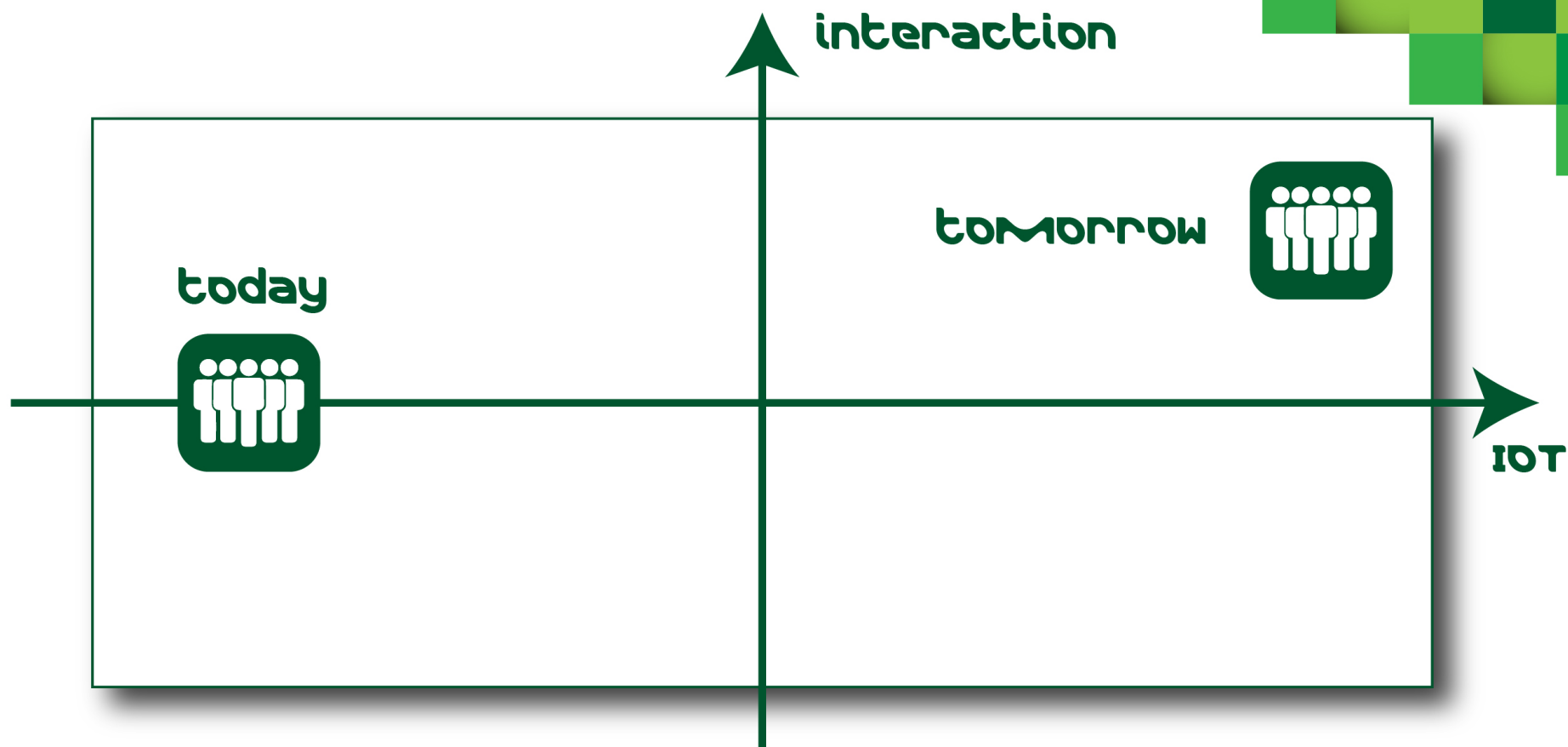
HalfPocket

SINATRA

4

view tomorrow

("scenario" Model jrc)



Half Pocket

SINATRA

5

TOMORROW with sinatra



WELCOME BACK GIULIA

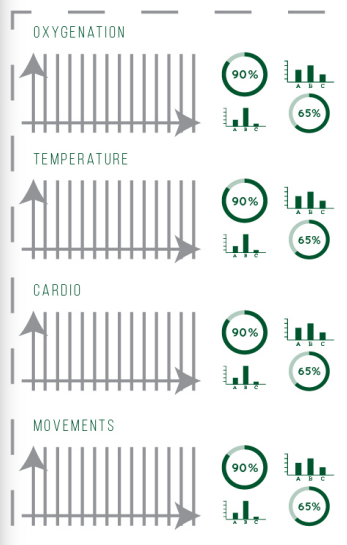
ASK ME

WHAT IS THE QUALITY OF MY SLEEP?

MONITORS THE FOLLOWING DATA

SINATRA

QUESTION



ANSWER

D1

D2

D3

D4

D1 + D2 + D3 + D4
SOLUTIONS

sin.a.i

DIAGNOSIS: RESPIRATORY ARREST

EVERY NIGHT YOU HAVE A RESPIRATORY ARREST THAT INCREASES YOUR HEART RATE AND MAKES YOU MUCH MOVEMENT

ANALYSIS OF CLINICAL DATA



MEDICAL SOLUTION

YOU SHOULD TAKE MEDICATION TO BREATHE BETTER AND OPEN THE NASAL CAVITY THROUGH INHALERS AND AEROSOLS.

RECOMMENDED MEDICINES ➔

SINATRA

Half Pocket

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