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

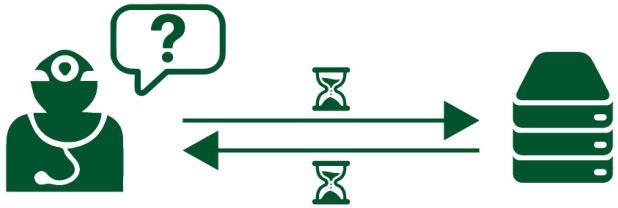
## MONITORAGGIO DELLE CONDIZIONI DEL PAZIENTE

# 1 view today (critical issues)

## internet connection

## cost

## speed



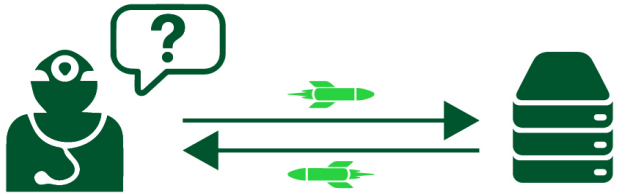

## departments connection

# 2 Today with sinatra

## internet connection

## cost

## speed




## departments connection

# 3 practice test

| parameters | samples |
|---|---|
| cardio | 10 seconds: 1 sample |
| temperature | 1 minute: 6 samples |
| oxygen | 1 hour: 360 samples |
| body movement | 1 day: 8640 samples |
| pressure | 1 month: 259.200 samples |
| ormonal level | 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

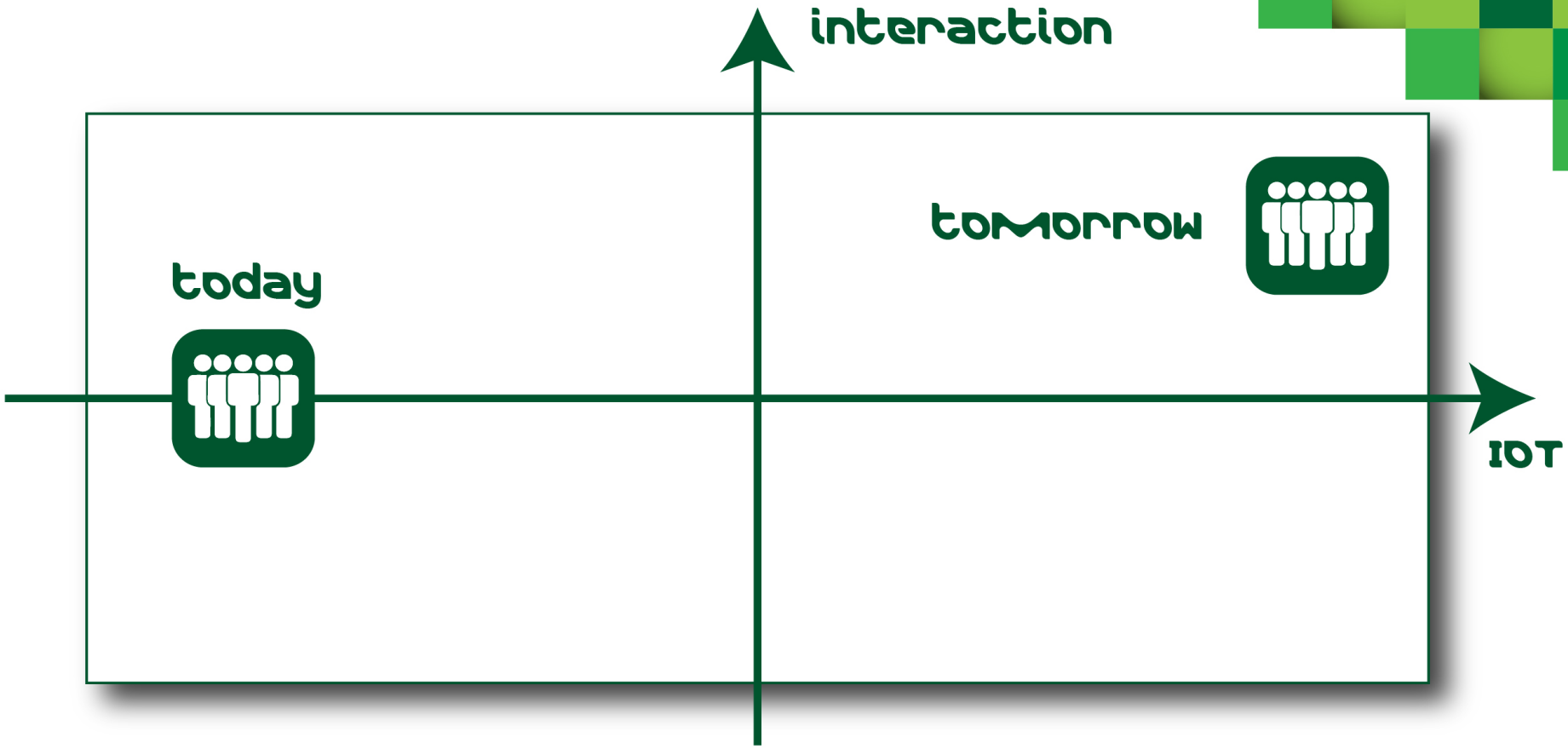
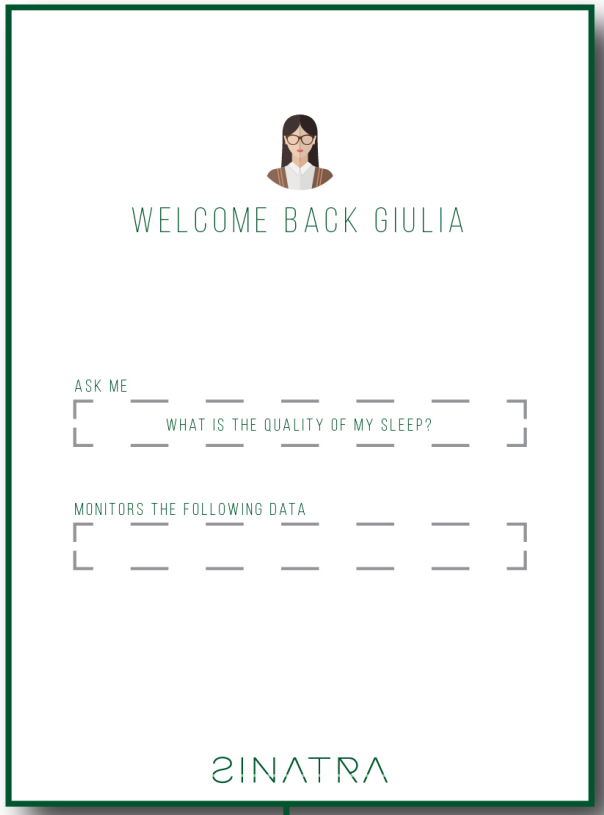
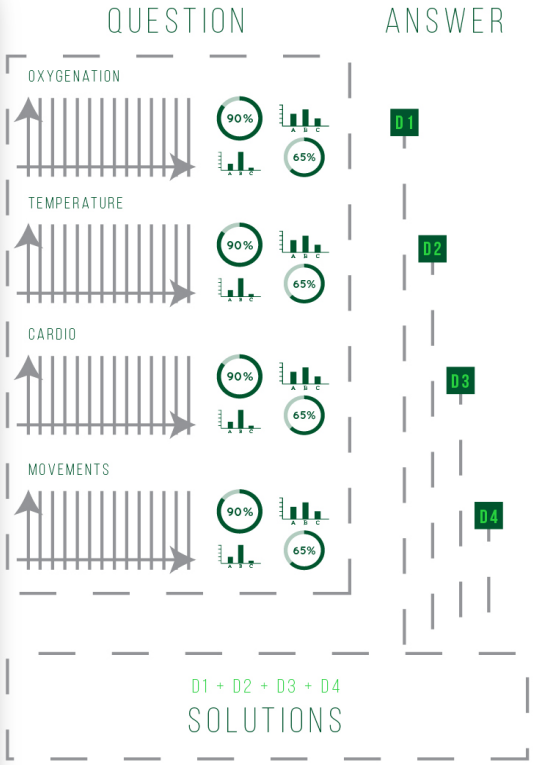
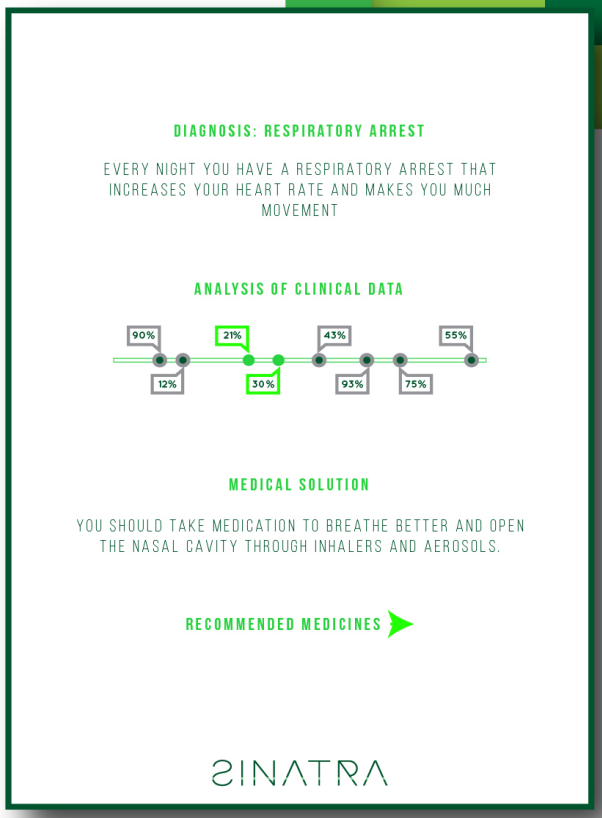
0,86 gb
Hackathon
sinatra

1 week work
1/1000 compression

0,088 gb
sinatra

amount — how — quality

# 4 view tomorrow ("scenario" Model jrc)



# 5 TOMORROW WITH SINATRA