

Proceso Analysis of time - oriented deta to derive new virights.

Applying Process Analytics to healthcare:

define this process of a patient as the different steps, treatments and drugs he takes, which is sometimes also referred to as the patient's 'care journey'. In general, there are three main streams of

Process Analytics

Process

D'ionomeny
- Descriptive technique to
evolucte policients healthCare Steps, birning
and duration of
medical services of
possibly the medical
resources involved.

Conformèree Arrelysis . Adhere to Guidelies \$ regulations Process

Lutersian

Linharus an

enishing process

model

Eg: Chirical puttimeny

6 8 keps to Opplying PA "in Log preparation Log preparation

Log inspection

Abstraction

& selection

Clustering

Process mining

Validation

- 1. Aggnegate date from différent sources rite one event log
- 2. Apply Statistics & Simple PA techniques -> Groat of this Step 22 to understand the dataset, limitation, and apportunition - Helps for fiding large allowermetrities.
  - Can also visualize date Using besic statistics

3. Necessary for Unstructured

Abstraction helps foura on significant appects of a process & ornit enclarant details.

technique of selecting data based on patterns of Exterest Luster mining - edentify activities that always happen in series and share some Charecheristics

4. Organization of data based on characteristics by use of

Segnento Trace Sequerce Clustering - Cluster - louses en date bosed on sequere of activities on trace profiles q creetes more 8'cuple Rg: Activities models or Certain Segruere of

Clustering not only allows to discover more comprehensible models but also allows to identify or confirm subgroups based upon their behavior.

5. Brettry a comprehensible

Outrone from the sorted date.

\* Regrosed techniques.
Potted that analysis \$

Potted chort analysis & Juzzy mire

6-Must validate date by
enperts (must be envolved
# throughout the process)

Questions. -

a) what they didn't do?

A) + Harners NLP to abstract highly tembrel date

\* Not a analytical engine
Frued analysis

\* No recommendations were
green as a result
from analysis.