

DATA EXPLORATION

TRANSLATING THE DATA

From YUTPA model to datasets (4 dimensions)

STRUCTURING THE DATA

Based on the features of the problem

Set- up requirements for a good model

IS IT COMPLICATED ENOUGH ?

Different approaches towards the set-up requirements

Fourier:	Has the dynamic character, no spatial, no relation
Clustering:	Has the spatial, no dynamic and latency
Factor Analysis:	Latency but no dynamism or the spatial
Hidden Markov Models:	Have dynamism and latency but not the spatial

1- Dynamic:

Repetition and variation (if there is no dynamics, there is no possibility to capture repetition)

2- Spatial:

Small detailed grid (no sense making without being localised on specific people in specific neighbourhoods)

3- Latent:

Correlation between datasets (there is something there in the rhythm that is hidden, we perceive rhythm but do not realize we perceive it. Rhythm is characterized by processes of latencies)

4- Communicative:

(Visualization) End stage of the model to communicate results, it is still being explored

Mixtures of
HIDDEN MARKOV MODELS:

Have the spatial, dynamism and the latency