Overview of technological architecture of Analytics to discover time relationships and patterns classification.

SAS once stood for "statistical analysis system" while now is one of most important company in Data analytics area involved Data management Statistical analysis optimization and decision

In last 2 years SAS concentrated is effort into 2 directions: Big Data Management and Big Data Analytics.

This presentation would be an overview into Big Data Analtycs methodologies useful in several situation in your openlab projects:

We illustrate in memory technologies investment useful platform for markov chains process both into discrete state space and continue state space. These methodologies covers several methodolocial approach bayesian and not bayesian using statistical tools like ARIMA and Multinomial Discrete process with several mixed type of variables.

Every approach can be used both in batch way using dynamic time sampling and considering also markov chain montecarlo methods to obtain repeated sample considering several priors probability distributions.

In this presentation will show also an example how SAS can contribute your uses case to extract model manage and verify models in real time situation.

Other methods useful to select right data can be used to recommend data extraction scoring historical data access in such way users can safe time to built analytical base table where can be applied several methods.

Last method we suggest is to analyze several point of net and define network measures in dynamic way. It can be useful to monitoring and define where can be useful make interventions.