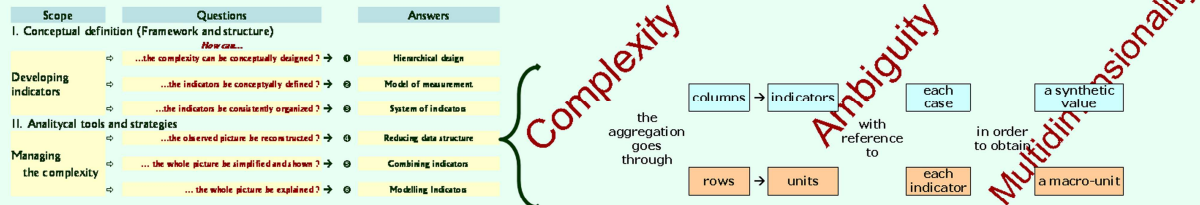
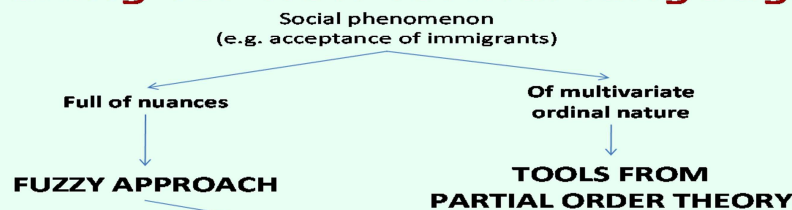


NEW TOOLS FOR THE CONSTRUCTION, ANALYSIS AND INTERPRETATION OF SOCIAL INDICATORS BASED ON ORDINAL VARIABLES

indicators construction → consolidated tradition



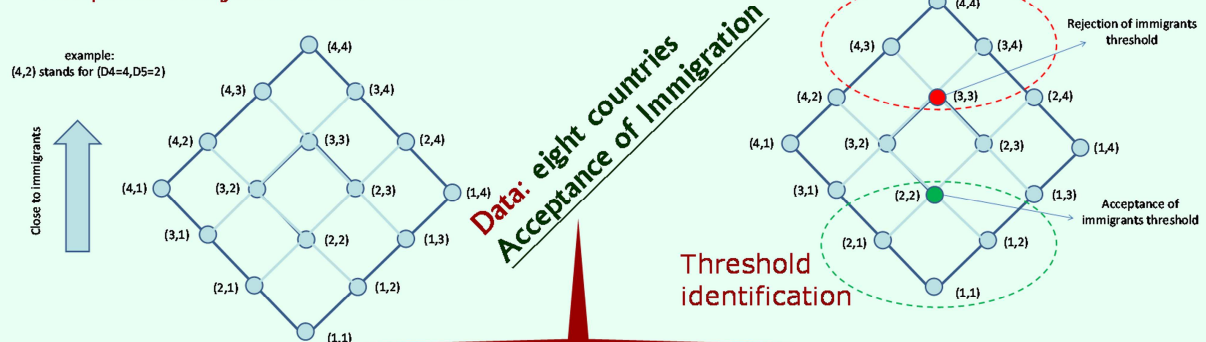
Searching for new formal languages...



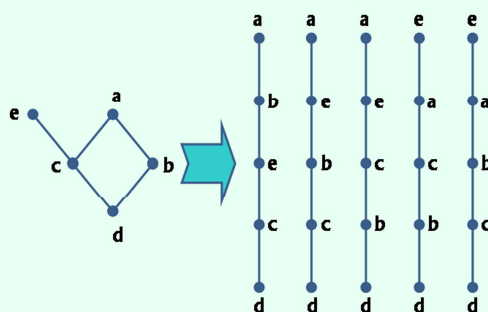
A new language for treating complex multidimensional ordinal phenomena (and datasets)

The application shows how **POSET theory** can be used to compute indicators out of ordinal data, without turning them into numerical scores.

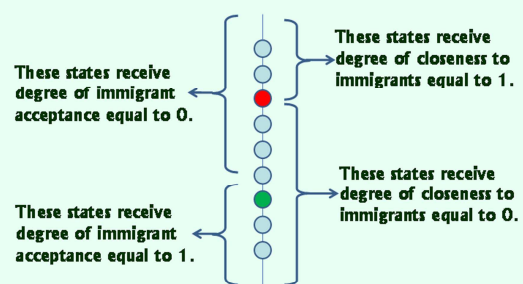
Acceptance configurations on D4 and D5



Linear extensions of a poset



The basic idea: pick up a linear extension...



State of the art

- Approach applied also to other social phenomena (deprivation)
- Computations performed without relying on heavy and complex numerical algorithms
- Possibility to define thresholds composed of more than a single node (→ more flexibility to actual situations)

Future perspectives

- Integration of POSET and Structural Equation Modeling
- Definition of
 - algorithms to help identifying thresholds
 - "weighting" schemes without introducing numerical weights
 - clustering algorithms, for reducing the dimension of posets, when the number of variables and/or the number of possible scores for each variable is high