LATENT DIMENSIONS OBTAINED IN ONE ENTITY

Summary

A model for analysis of latent dimension in only one entity has been suggested and realized. The numerical examples showed that the model is sustainable and original and at the same time, it showed that the analysis based on the elemental entropy of matrix of associations obtained in the great number of entities is under no circumstances the only way to determine the latent dimensions. The model was tested in a few hundreds of cases, and the examples which perfectly illustrate the power of algorithm and the model have been shown for the needs of this work. It has been confirmed that the produced factors contained some important, interesting and interpretable pieces of information, which represents a pretty good reason to recommend the described procedure to become an obligatory procedure in analysis of any kind of relations, especially in the analysis of factors structures in sport, even if it is necessary to get it realized with only one testee. In that way, the terms "extensor" and " tensor" determination have been included into data analysis. A problem of relativity of a particular data has been solved with this kind of approach because such a kind of data (if it is desired) is examined within the absolute skale with constant extreme values.

Key words*: factors, one entity*