

## OPTIMIZATION OF TRADITIONALLY DESIGNED STRUCTURE OF SPORTS ORGANIZATION

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### **Abstract**

*The aim of work is defining and optimization of traditionally designed structure of sports organization with all elements necessary to achieve sports result and profit. For the purpose of solving problems we designed virtual sport club with all associated functions and individual roles, so mechanic and organic structure is satisfied. For flexibility of function coordination and time component we included project managers in system which resulted with system softness, which means we largely eliminated rigidity of hierarchy on the inside and from the outside. After making imaginary structure, all people got individual functional status to cover all needed functions. Such model automatically defined individual roles. That is how we acquired 205 entities totally out of which 26 first line managers, 7 second line managers and 4 third line managers. The others are executive staff. The entity sample is generated in wide context and described arbitrarily so we could potentially (on manifest and latent level) discover information relevant for possible optimization and equals  $n=205$ . From initial 80 variables, after data structure inquiry we kept 40. After basic statistics we conducted data taxonomy to determine structure of relations inside entity, i.e. general types that exist in this type of structure. We used Uditax algorithm for distinct taxon identification (Bonacin, 2004). Processing has given 6 relatively balances taxon where first taxon gathers directors and highly professional performance, second taxon gathers pioneers, third taxon cadets, fourth taxon juniors, fifth taxon seniors and sixth taxon gathers technical support. The gained results clearly indicate that in reality there is clear set of action types in entity set and it is directed toward three basic functions in sports organization: 1. Logistics (management), 2. Product (sports section) and 3. Support (maintenance). Optimization can be implemented in such a way to actually structure sports organization according to the given model.*

**Key words:** *sport organisation, structure, optimization, taxonomy*

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