

## **Issues Regard Statistic Intervention in Management of Coaching Factors with Application In Football (Soccer)**

Nucu Antohi<sup>1</sup>, Eugen Merticaru<sup>2</sup>, Emil Budescu<sup>2</sup>

### **Summary**

In the theory of coaching an important role belongs to the factorial management. The art of planning, controlling and evaluating the main factors (physical, technical, tactical, psychological and theoretical) gives to the coach the real value of his work. The individualization of these factors turn the process of coaching into a complex activity which in nowadays has teamwork finality: to achieve the performance. At the same time, the manager of the whole process of coaching has the whole responsibility of the task.

All the sports have specialists who make decisions to improve the process of coaching, to transform the competition into a high level one and to offer the audience a final product: the performance. The performance is the aim which is asked and the purpose of the sports people and the coaches at the same time.

The study of all disciplines which can build the performance is a long, complex and slow process (medical and biomechanical knowledge for the physical factor; sport background and methodical studies for technical factor; mathematical and logical abilities for tactical factor; studies about human behaviour for psychological factor and strong knowledge about all the theoretical aspects of the sport for theoretical factor). All these reason offer us the possibility to have specialists in every field/factor and their work gives us a whole image of the performance.

Our purpose is to find the easy way to manage the whole process of coaching, by controlling the coaching factors without diving in every factor detailed background. To this aspect, our study intends to regard the statistic intervention in the management of coaching factors.

Statistical analysis, used properly, can prove useful for the coach in many situations, such as:

- assessing the degree of physical training, through regular assessments carried out and numerical analysis;
- the possibility of investigating the usefulness of new evidence of physical or technical training, tests by statistical evaluation of the mean;
- estimate the degree of psychological preparation through psychological tests and the relevant statistical processing;
- choice of a group of athletes with sports related training, the best for the next competition using predictive statistical analysis;

---

<sup>1</sup>University "Al. I. Cuza" of Iasi, Faculty of Physical Education and Sports, Romania

<sup>2</sup>Technical University "Gh. Asachi" of Iasi, Biomechanics Laboratory, Romania

- choice tactics best sports, depending on a number of factors quantified opponents of athletes through appropriate statistical analysis.

This paper work aims to highlight to the intervention of statistics on one of the factors sport management training, and introduction of new evidence of physical technical or tactical training in the preparation of an individual football teams.