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FACULTY OF PHYSICAL CULTURE AND SPORTS

WORK OF THE MASTER THESIS

SUBJECT:

**ANALYSIS AND DIFFERENCES IN SOME STATISTICAL VARIABLES
IN THE FINAL COMPETITION OF THE PLAY-OFF OF CHAMPIONS
LEAUGE OF THE EUROPIAN BASKETBALL IN 2014-2015 EDITION**

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INTRODUCTION

The game of basketball, every day more and more is reaching a greater massiveness evolution also in raising the quality of the game. Nowadays it is required to increase the level of indicators for the purpose of statistical and gaining points for higher results.

The game of basketball is characterized with interesting and attractive shots for the viewers, especially with assists, insights and precise shots at times during the game, especially it's also important the game in defense. Therefore, monitoring and evaluation of statistical parameters want to raise basketball in all aspects of the game, what it is of particular importance for further achievements.

Also it's very important to mention that the statistical parameters are needed in the individual raising of the players and in the form of team sports, which are important for the appropriate preparation of the team. However, there are also important morphological features and basic motor skills, the situational to basketball players in general, and

determining statistical parameters in order to achieve success in basketball. Because Basketball is a dynamic game, and many times until the last second of the match the winner is unknown. Also it's very easy to know how successful is a team, just a few minutes after the game is finished statistical parameters are very popular, for trainers and researchers to use them in order to improve the game, and of course to be presented in a more realistic and professional performance by the players during the championship in the game between two containers, therefore the basketball game requires researches every time in order to raise the quality of the game and its highest development.

Quantitative analysis especially through statistics of the basketball game it's being used widely in basketball and only through it there are analyzes for the events of the games with very highly appreciated and important data for each player.

To get to the identification data of basketball players in statistical variables, it's important to publish a paper of this kind in order to bring as much information for teachers, trainers and basketball fans.

Starting from the orientation and examination of the paper I am determined to show differences in some statistical variables.

To achieve success in Basketball you must have determination and to keep in mind the level and preparation of each player in the implementation of victories during confrontations in the Play-off final.

I basically selected the FINAL-FOUR in the European Champions League 2014/2015 and also analysis of changes in some statistical variables.

CONCLUSION

The research I conducted with a sample of 42 professional basketball players represents the first initiative of monitoring and the control of their technical and tactical capabilities but also some other factors that constitute a professional basketball player.

It is worth mentioning that the experiments of this kind have been lacking until now, which significantly basketball needs them in general.

The result of the research that was conducted on a sample of 42 basketball players in the PLAY-OFF European Champions League represents the teams of Real- Madrid, Olympiakos, Fehnerbahce, CSKA-Moscow. In this case we have applied 13 statistical variables of the situation of the game.

Through the results of the statistical and main indicators of statistical space, with what has been achieved it was ascertained that they have normal distribution values and they are sufficiently homogeneous.

Through the arithmetic average there have been registered normal and important values of variables of the basketball players of the losing team, just in some, that are very few in number, which it didn't absent in cases to the winning teams throughout PLAY-OFF's and based on the comparison, the values are very related to each other.

Based on correlations tables of the winning teams we see that from 78 correlations 23.73% are significant and based on these we come to the conclusion that the teams are roughly equal and that the difference between them is very small.

It is worth mentioning the principle that the teams in international area fight in the ground face to face to achieve victory.

Within this paper we have tried to examine some of our forecasts by statistical analysis that leads us to the conclusion that the teams in international elite don't have significant differences in the implementation of technical and tactical elements but also strategic performed by the teams themselves.

Also it's worth mentioning that team of Real Madrid executed the matches on its location where they were training and preparing for this important European tournament, and of course it is one of the team favors to play the match in their location in front of their viewers.