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FACULTY OF PHYSICAL EDUCATION AND SPORT

MASTER THESIS

**ANALYSIS AND DIFFERENCES IN SOME STATISTICAL VARIABLES
IN FINAL COMPETITIONS OF PLAY-OFF IN THE SUPER LEAGUE OF
KOSOVAN BASKETBALL IN 2013-2014**

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1. INTRODUCTION

The basketball game in our country, ever since after the war has evolved big as in massiveness, also in the increase of the game quality. Nowadays, it is required from basketball players to elevate the level of statistical indicators with the purpose of the implementation of points and the acquisition of confrontations with as high as possible results. Because basketball game is characterized with beautiful actions, assists, insights and accurate strikes in basket in all of the match moments, noting especially the game defense. So, the forward and evaluation of statistical parameters with the purpose of basketball progress in all of the game aspects, is of a special importance for this game. It is also worth mentioning that the statistical parameters are worth in the individual elevation of players and sport form of teams, which are important with the purpose of co-operation and right preparation of the team. However even the morphological characteristics and the situational basic motion skills to the Super league basketball players, are important too, as well as the definition of the statistical parameters with the purpose of achieving success in basketball. Because basketball game is that dynamic, often the winner of the match is unknown until the very last second, also it is very easy to recognize how successful a team is only after minutes that the basketball match is finished. Statistical parameters are very popular among players, coaches and researchers which are used to improve basketball game, as well as to represent in a real and professional form in the players' performance during the championship in between-two- baskets game. Because basketball game requires each time more research with the purpose of improving the quality of the game and the larger progress of this attractive and good game. The quantity analysis of basketball players especially through statistics of the game, is being used widely among basketball players to analyze the events of the match with very valuable and important data for each basketball player. To get to the point of the identification of the basketball players' data in statistical variables is important to publish a work of this kind in order to bring as much information as possible for professors, coaches and sport fans.

Therefore, in this Master thesis we will research about the statistical space of Super league basketball players of Kosovan basketball. Who are evaluated in statistical standard indicators of elite basketball players, as well as these basketball players will cover statistical indicators of efficiency respectively of accuracy, and of statistical aid in Super league basketball of Kosovo. Meanwhile, regarding to the research of this space in our country according to literature and used publications, it is stated that we don't have any reliable research work in this study field, yet. The research of statistical variables in our regions is important as well as the development of statistical indicators especially for teams such as K.B. Sigal Prishtina and K.B. Peja. Considering that the team of Sigal Prishtina is one of the only teams that has achieved to keep all of the records regarding to winning Championships and Super league cups in Kosovan basketball. Also the team of K.B. Peja has a good reflection in Kosovan basketball because this game has attracted many enthusiasts and fans of basketball to elevate this game on pedestal in our country. Getting started by the orientation and review of the work, we defined some statistical variables. To achieve success in basketball, we have to bear in mind the level and preparation of each player in the realization of victory during confrontations in the final of Play-Off. Essentially we will have research about Super league basketball players of Kosovan basketball and also the analysis and differences in some statistical variables.

7. CONCLUSION

The results of research in the sample of Super league basketball players in Kosovan basketball are covered in a group of 24 basketball players, who are divided into two groups where 12 of them represent the group of winners K.B. Sigal Prishtina, meanwhile 12 others the group of losers K.B. Peja. In this case, we have treated the space of 13 statistical variables of the game situation, variables of statistical efficiency are represented with 6 variables and those of statistical aid are 7 variables. Through results in basic statistical indicators, with what was able to find out that they have normally spread values and are enough indiscrete. Variables of statistical efficiency have presented values spread normally in all the space of these variables that deal with statistics' efficiency of the winning team players. Also the variables of statistical aid have shown distributions within normal borders, also according to the comparison we see that the basketball players from Croatia have shown more highlighted values in all of variables. Even the basketball players who have represented the losing team have presented values spread normally, too. Through the arithmetical average, there have been registered important normal values of variables of statistical efficiency and statistical aid of basketball players of the losing team, however according to the comparison, we see that the values are approximately the same as the research of Croatia authors. According to the table of correlation of the winning team we see that fro 78 possible correlations only 53 or 68 % are significant. According to the realized correlations there's a division of variables in three groups, where there have also been presented the correlations between variables of statistical efficiency and statistical aid. Meanwhile for basketball players of the losing team have been presented 78 possible correlations only 49 or 63 % are significant. According to these correlations, there's a division of variables in three groups.

For the research of differences among the group of winning basketball players and losing group in competitions of Play-off, the method of T-test and canonical discriminatory analysis is used. There haven't been presented the significant values and differences between the two arithmetical averages, T-test worth and level of significance. According to the results gained through this method, it can be stated that there haven't been realized meaningful statistical differences in every variable included in research. It is proved that the winning and losing basketball group in the statistical space have no differences between each-other. So, according to what we see in a canonical discriminatory function, with what is stated that the statistical space doesn't have any important statistical difference. Not presenting the differences between the basketball players of the two teams will be a bigger stimulation with the purpose of elevating skills and developing the statistical indicators of the basketball game. However it will be interesting to have such research again in team level, but without forgetting that we need to research about statistical indicators in the level of representatives, too. So it would be necessary to even have a bigger number of variables, in order to point out more occurrences which will define in a better way the structure of results of the final confrontations of the basketball game. The results of this work confirm that the winning team has shown favorable values in all the statistical space, also we've achieved to prove that the statistical indicators have affected the victory of Sigal Prishtina team to be declared as the champion of Kosovo. Through these results, it's been proved that there haven't been found meaningful differences between the group of basketball players of the winning team and losing team, but there have been gained valuable statistical values for these groups of Super League basketball players of Kosovan basketball. So the results of this work have an important professional value in the development of Kosovan basketball, also the statistics have a special value for the progress of the basketball game in our country.