

WORLD LEAGUE VOLLEYBALL 2015: COUNTER-ATTACK IS A DISCRIMINANT ANALYSIS FACTOR

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Introduction

The Match analysis have been assuming a key role in the coaching process. The aim of this study is to determine if the complex II or Counterattack (block, defense, setting and attack) is a factor to win the final world League Volleyball, in the high level teams.

Methods

Thirty six national teams according 178 senior men matches are played during two months and the semi-finals and finals are played by four games and four teams: Serbia, France, Poland and States united of America, on 18 and 19 of July 2015 World League, on Brazil composed this sample. The data recorded and analysis was performed by Data Volley in software. The discriminating function analysis was used to identify indicators that contribute most to establish the maximum difference between wins and losses. Values of linear composites $|SC| \geq .30$ were considered relevant (Tabachnick & Fidell, 1996). The significance level was set at 5%. The statistical procedures were performed by the SPSS software version 23.0.

Results

Regarding the results, the variables that contributed most to the discrimination between the Complex II or Counterattack and defeat and victory were: Service point ($SC=.98$), the block point ($SC=.57$), attack error ($SC=-.39$), and service error ($SC=-.31$).

Discussion & Conclusion

The Service point, and block point variables were associated with victory. The variables, attack error and service error, were associated with defeat. According the last World League 2015 disputed in Brazil, the high level Volleyball teams are very balanced, principally in semi-finals (3-2 and 3-2). Since these results suggest that is more important trying make more risks in the service to can make more points, and have a good strategy in block organization, by other hand according set number, not to make so mistakes in the service and attack if they won't to win. According our results the teams have more success during complex II or counterattack in the final, have more probably to win the match and the competition, principally in balance teams, because is a discriminate variable.

References

- João P V, Leite, N, Mesquita I, Sampaio J. (2010). Sex differences in discriminative power of volleyball game-related statistics. *Perceptual and Motor Skills*, 111, 3, 893-900.
- Natalia Valladares, J. Vicente García-Tormo and Paulo Vicente João (2016) Analysis of variables affecting performance in senior female volleyball world Championship 2014. *International Journal of Performance Analysis in Sport*. 2016, 16, 400-410.