Universitat d'Alacant
Universidad de Alicante

JHSE

- Cur Issu

- Bac Issu

- Mos read artic

- Inde

- Adv sear

- Con

ARTICLE TOOLS

[Print this article](#)

[Indexing metadata](#)

[How to cite item](#)

[Finding References](#)

GOOGLE TRANSLATE

Indicator   2005-2012

SJR   ● ● ● ● ● ● ●

Cites per doc   ● ● ● ● ● ● ●

Total cites   ● ● ● ● ● ● ●

www.scim

Review policy

✉ Email this article (Login required)

✉ Email the author (Login required)

FONT SIZE

Browse

Search

All ▼

Search

CURRENT ISSUE

ATOM 1.0
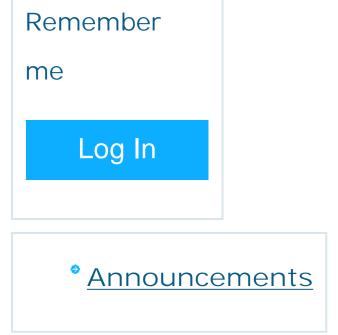
RSS 2.0

OPEN JOURNAL SYSTEM

Statistical study on bodily communication skills in volleyball to improve teaching methods

Gaetano Raiola, Pio Alfredo Di Tore

Abstract

Focus of the study is to verify the incidence of performance analysis data of bodily communication in volleyball. The sample was chosen to represent the scores obtained in three technical skills strongly influenced by bodily communication: the second ball goes to the opposite court instead of setting for attacking; the attack as fast as possible in the middle of the net and the off speed hit instead of power spike over the block. The purpose of this study is to measure the amount of the three technical skills points for each set, the total of them, the points awarded

to the attack and the total points of each set, and so to read the relations between the different categories of scoring. The method used is the recruitment of the data with the use of video software Data Project by a team of operators made by the team's official analyst, by the coach and by the single athlete, only for measurements concerning him. The assignment of the data is attributed by the team's official analyst after sharing with the coach and the athlete. The datum recruited must necessarily accepted by the coach, otherwise is not considered. The data recruited were compared with data on total points in the set and with the overall results of the attack, first individually and then together, in order to determine the relationship among points attributable to bodily communication and the final score. The dependency relationship, analyzed through a simple regression model, was statistically significant. The results show as this study can

help the coach to train the team for improving the analyzed technical skills in different mode, creating a methodological system training to enhance the performance.

Key words: PERFORMANCE ANALYSIS; TECHNICAL SKILL; CATEGORIZATION POINT; REGRESSION ANALYSIS; MULTIPLE REGRESSION; TRAINING; DIDACTICS

Full Text: PDF (583 KB) STATISTICS