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Correlation Study on Javelin Throw Performance and Fast Bowling Performance in Cricket

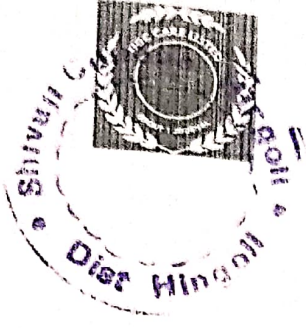
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ISSN: 0474-9030 Vol-68, Special Issue-14

National Seminar on "The Importance of Sports, Physical Education and Psychology for Personality development At Present Scenario"

Sponsored by ICSSR

Held on (01 February 2020, Saturday)

Organized by Department of Psychology, Sports and Physical Education
Shivaji College, Hingoli-431513 (Maharashtra)



Correlation Study on Javelin Throw Performance and Fast Bowling Performance in Cricket

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Abstract

Research Summary for this research, 14(boys) players of national and international level Javelin throw players have been selected as purposefully in the regular practice of open age Javelin throw game in Pune city. At the beginning of August, he gave his Javelin throw distance test by giving him three chances in August, and then in September he gave the Javelinthrowplayers a practice of bowling and by taking three chances each, they took the measurement of performance under bowling stage and recorded the performance.

A statistical analysis of the data obtained shows that a significant correlation was found between bowling distance (m) and Javelin throwing performance (m)The correlation coefficient between the distance (m) and the Javelin throw performance (m) between the first bounce to the second stage of bowling is Correlation ($r= 0.65$) ($p=.000$) at this level is meaningful and it is positive and high correlation.

This means the bowler who can reach the maximum distance between the two legs can throw the Javelin at the far end, and if a fast bowler, he can give a Javelin throwing performance well. This researcher can be used as a test to select Javelin throwing players if some similarities in the ability and actions of the bowling players have appeared and the transfer of money from one game to another can be used to select the Javelin throw player. Does the researcher have a correlation between Javelin throw and fast bowling performance in cricket? Researchers found it necessary to find out.

Keywords: measure the distance of the bowling (in meters), the performance of the Javelin throw (meters).

Introduction


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This South African international fast bowler She is by accident that the girl got the silver medal: does it have any correlation between fast bowling and Javelin throw, leading the researcher to question whether there is a wealth transfer in the causal factor of action? Are some of the actions the same? Does this seem to be thematically or even theoretically suggested? If there is a high level of correlation between really fast bowling and Javelin throwing, then *India* is good for the country. Our country is crazy about cricket. In our country, children do not have to teach bowling at school level, not every bowler gets a chance in the cricket team, then they are away from the game, many students are ready for selection of cricket game in schools but they are not ready to participate in such things as Javelin throw.

If they take a fast bowling test and turn it into a Javelin throw, can you find Javelin throwing players on the cricket field in your country, from which one can get your country to the Olympic medal, and can the fast bowling be the criteria for selecting a Javelin thrower? Researchers need to verify this. So, I suggested that the researcher, whether fast bowling in cricket would be useful for selecting a player for the Javelin throw. Does the researcher appear to be useful, so does the researcher have a correlation between Javelin throw and fast bowling in cricket? Researchers found it necessary to find it back.

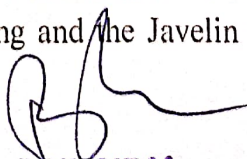
Objective

1. Does the objective research correlate the performance of Javelin throw and fast bowling in cricket? The main objective of this research was to investigate.

Methods / Procedure

For this research the researcher has adopted a descriptive survey method. Among the players who regularly practice open Javelin throw game in Pune city for the research, 14 Javelin throwers from National and International level at Army Sports Institute, Ghorpadi, Pune have been selected as purposefully and have been selected for the first three months in August each. His Javelin throw distance measurement was tested. Later in September, Javelin throw players were given bowling practice, giving each of them three chances and took the test of measurement under the bowling between 1st bounce to 2nd bounce and total distance of bowling and recorded the performance.

The statistical analysis of the data obtained shows that a 0.01 significant correlation was found between the overall distance of the bowling and the Javelin throwing performance. The


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correlation coefficient 0.739 between the distance between the first bounce and second bounce of the bowling and the Javelin throwing performance it is Correlation($r= 0.65$) ($p=.000$) at this level is meaningful and it is positive and high correlation.

This means that the bowler, who can reach the maximum distance between the total bowling distance and the 1st bounce to 2nd bounce two stages of the bowling, can throw the Javelin at the far end, and if a fast bowler, he can give the Javelin throwing performance well.

Population

Population, Pune city has purposefully selected 14 (boys) Javelin throw players nationally and internationally at the Army Sports Institute, Ghorpadi, Pune for their research.

Analysis- The analysis of this information is as follows statistically

**Table no. 1 .
Statistical Analysis of the Bowling Performance and Javelin Throw Performance and Interpretation**

Statistics	Bowling Bounce distance	1 st Distance between 1 st Bounce to 2 nd Bounce	Bowling Total distance	Javelin Throw Performance
Mean	12.47	22.6	35.05	70.81
Median	12.21	23.1	34.63	70.3
Median ratio Error ratio	0.19	0.56	0.52	0.97
Standard Deviation	0.73	2.11	1.97	3.63
Peak defect	-0.12	-1.94	-1.31	0.63
Minimum	11.57	19.8	32.1	65
Maximum	13.97	25.5	37.95	79

Table no.1. Shown The mean of the Javelin throwing performance 70.81m, median 70.3, There is Median ratio Error ratio 0.97, Standard deviation 3.63, peak defect 0.63, Minimum 65 (m.) and Maximum 79 (m.).


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Table no. 2

Correlation of Javelin throwing performance and performance between bowling BounceBounces

	Bowling Performance	Correlation Of Javelin Throwing Performance
PerformanceBetween Bowling Bounces. (M.)	1 st Bounce	-0.37
	Distance Between 1 st Bounce To 2 nd Bounce	0.739
	Bowling Total Distance	0.65

Table no. 2 In The correlation between the first bounce of bowling and the javelin throwing performance is with Pearson drawing the correlation according to statistical technique in -0.37 is the coefficient of the coefficient of correlation. However, the correlation is 0.739 the distance between the first bounce and the second bounce of bowling and the Javelin throwing performance is 0.01 has come, The highest level of correlation is coefficient with respect to the level of the bowler and the correlation 0.65 between total bowling distance and Javelin throwing Performance. This is a high quality correlation coefficient.

This means that if the bowler crosses the total distance of the bowling and the distance between the first bounce to second bounce of bowling, the Javelin throw Performance is also higher.

Discussion

The researcher made his first appearance at the Master's Degree in Year 2013-14, when the performance of the fast bowling players in cricket was positively correlated with Javelin throwing performance, while the researcher's further research was underway at the recent Rio Olympics. African international fast bowler girl Won Silver Medal.

Also with Bartlett and Best, Hurrian P. D. (1997) and Komi P. V. and my (1985) has done a biomechanical analysis of both fast bowling and Javelin throwing action. It seems that both the fast bowling and Javelin throwing actions have a lot in common, as the researcher found


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the facts in the above, the researcher chose the player for the Javelin throw. It seems that usefulness of the fast bowlers in cricket can be useful.

Does the researcher have a correlation between Javelin throw and fast bowling performance in cricket? The researcher felt it necessary to find this back and found a positive correlation between Javelin throw and fast bowling performance.

Key Observations

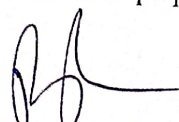
1. There is a significant correlation between overall bowling distance and Javelin throwing activity; this correlation is positive and high, with correlation coefficient ($r = 0.65$) ($p = .00$).
2. Distance between first bounce to second bounce of bowling. The level at 0.01 correlation coefficient between the performance of Javelin throw is Correlation 0.739 at this level meaningful and it is positive and high correlation.

Conclusion

1. The bowler who crosses the total distance of the bowling and the distance between the two bounces (1st Bounce to 2nd Bounce) during bowling also has a higher Javelin throwing performance.
2. This means that if he is a fast bowler, he will give the Javelin throwing performance better.

Recommendations

1. The total bowling distance between the two bounces of the ball can be studied by examining the difference in their performance by training the Javelin throw.
2. The Check Correlation between Performance of Javelin Throw and Fast Bowling in Cricket.
3. The harmony between the Javelin throwing action performance and the comparative study will be given to the training fast bowler.
4. Fast bowling and javelin throw performance the basis of the research prepared by prediction regression Analysis formula.


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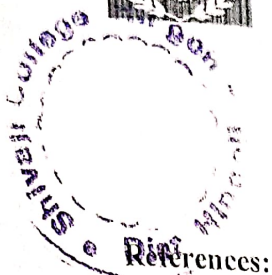
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