

REVIEW ARTICLE

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Comparative Analysis of Selected Psychological Traits between National and International Wrestlers of India

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INTRODUCTION:-

Wrestling represents one of the oldest forms of combat. Literary references to it occur as early as in the Iliad, in which Homer recounts the Trojan War of the 13th or 12th century B.C. The origins of wrestling go back 15,000 years through cave drawings in France. Babylonian and Egyptian reliefs show wrestlers using most of the holds known in the present-day sport.

In ancient Greece wrestling occupied a prominent place in legend and literature; wrestling competition, brutal in many aspects, served as the focal sport of the ancient Olympic Games. The ancient Romans borrowed heavily from Greek wrestling, but eliminated much of its brutality. During the Middle Ages (fifth century to fifteenth century) wrestling remained popular and enjoyed the patronage of many royal families, including those of France, Japan and England. Early European settlers in America brought a strong wrestling tradition with them if they came from England. The settlers also found wrestling to be popular among Native Americans. Amateur wrestling flourished throughout the early years of the North American colonies and served as a popular activity at county fairs, holiday celebrations, and in military exercises. The first organized national wrestling tournament took place in New York City in 1888, and wrestling has been an event at every modern Olympic Games since the 1904 games in Saint Louis, Missouri (a demonstration had been performed at the first modern Olympics). The International Federation of Associated Wrestling Styles (FILA) originated in 1912 in Antwerp, Belgium. The 1st NCAA Wrestling Championships were also held in 1912, in Ames, Iowa.

Based on the methods of selecting the winner, wrestling in India can also be divided into another two categories like the `Orthia` and the `Kato Pale`. In

Orthia type, the wrestler has to throw the opponent on the ground for three times consecutively to win the match. The process continues until one wrestler comes out with flying colours. The Kato Pale type of wrestling demands the wrestler to accept defeat by raising his right hand with the index finger pointed. However, the rules of wrestling in India vary according to the various regions of the country.

Wrestling in India has witnessed the rising of several eminent wrestlers, so far. The legendary Indian wrestler, Karim Bux became the first wrestler to defeat Tom Canon of England in 1892. Another eminent Indian wrestler, Gobar Guha became the World Champion in Wrestling in San Francisco in 1922, by defeating the hook wrestler Ad Santel. The renowned Indian freestyle wrestler, Khashaba Dadasaheb Jadav won bronze medal in the 1952 Olympic Games. Another eminent Indian wrestler was Salwinder Singh Shinda, who won the Chandigarh Kesari Award, four times. Some of the other legendary wrestlers in India include Kikkar Singh, Gulam, Rajeev Tomar, and Arjuna Awardees in wrestling like Anuj Chaudhury and Malkit Singh Kanjli.

Apart from them, in the recent years, wrestling in India is witnessing the rise of some wrestlers, who have a high potential to revive the dominance of India in the international wrestling arena. The famous Indian wrestler, Sushil Kumar has won Bronze medal in the 2008 Beijing Olympic Games. Apart from the conventional way of wrestling, there is also another type of wrestling in India which has earned significant popularity, nowadays. This is called as sports entertainment and the World Wrestling Entertainment (WWE) and TNA are two of the most popular events in this form of wrestling. Some Indian wrestlers have become successful in this form of wrestling. The wrestlers include, Sonjay Dutt (TNA), Dalip Singh (the Great Khali of WWE), Dara Singh, Tiger Jeet Singh and many more.

Procedure:

The present study was conducted on 80 wrestlers who were categorized in two groups, i.e. national (N=50) and International (N=30). The players, who had participated at various international competitions and were selected for national wrestling coaching camp being conducted for the Asian Senior Wrestling Championship held at Doha from 5th to 10th May, 2015. The coaching camp was held at Sports Authority of India, Sonepat Centre, Haryana. Fifty players who had participated at various senior national wrestling competitions and never played at international level were considered as National Players as subjects for this study. The subjects were selected on purposive sampling method.

Out of various psychological variables which are associated with performance in wrestling, the scholar selected following psychological variables were selected as criterion variables:

- 1. Self Confidence.
- 2. Aggression.
- 3. Extroversion and Introversion

In order to find out significance of mean difference between national and international wrestlers of India, independent 't' test has been employed. Before employing independent 't' test, the outliers in the data and the normality of the data has been checked through box plots and Kolmogorov-Smirnov test respectively. The level of significance was set at 0.05.

RESULTS AND DISCUSSION OF FINDINGS:

To understand the nature of the data, various statistics such as mean, standard deviation, standard error of mean, coefficient of variation, skewness and kurtosis were calculated. The descriptive statistics pertaining to the self confidence has been presented in the table 1.

TABLE 1

DESCRIPTIVE STATISTICS FOR THE SCORES OF INTERNATIONAL AND NATIONAL LEVEL WRESTLERS ON SELF CONFIDENCE

lidence	N	Me	an	Std. Deviation	C.V.%	Skewness	Kurtosis
Self Con	Statistic	Statistic	Std. Error	Statistic	Statistic	Statistic	Statistic
ILW	30	7.96	.87	4.77	59.9	.40	-1.04
NLW	50	20.42	1.41	9.99	48.9	.08	-1.41

Where ILR= International Level Wrestlers, NLR = National Level Wrestlers

Table 1 shows the descriptive statistics related to selfconfidence of international and national level wrestlers. The mean, standard error of mean, standard deviation, coefficient of variation, skewness and kurtosis of the International level wrestlers on self-confidence was found to be 7.96, 0.87, 4.77, 59.9%, 0.40 and -1.04 respectively. Whereas, the mean, standard error of mean, standard deviation, coefficient of variation, skewness and kurtosis of the national level wrestlers on self-confidence was found to be 20.42, 1.41, 9.99, 48.9%, 0.08 and -1.41 respectively.

The respective values of skewness reveal that the curve for the data was nearly (very little) positively skewed as the statistic of skewness was positive but slightly more than zero. The distribution of data about the mean was found to more as the value of kurtosis was less than minus one.

Coefficient of variation (C.V.) of international and national level wrestlers on self-confidence is imprinted in the above table. From the above table, it is evident that the data of international level wrestlers on selfconfidence was having more spread in comparison to the national level wrestlers' data.

Test of assumptions: The assumption of normality of the data was tested by applying Kolmogorov-Smirnov test. To check the outliers, box plots were used. Kolmogorov-Smirnov test for the data of international and national level wrestlers has been presented in the table 2.

TABLE 2

KOLMOGOROV-SMIRNOV TEST OF NORMALITY FOR THE DATA ON SELF CONFIDENCE

	Kolmogorov-Smirnov ^a				
Self Confidence	Statistic	df	Sig.		
ILW	.133	30	.187		
NLW	.149	30	.088		

a. Lilliefors Significance Correction

Where ILR= International Level Wrestlers, and NLR = National Level Wrestlers

It is evident that the Kolmogorov-Smirnov statistic 0.133 for the data of international level wrestlers was found insignificant as the respective sig. values are more than 0.05. This shows that the data of international level wrestlers on self-confidence was normally distributed. Further, Kolmogorov-Smirnov statistic 0.149 for the data of national level wrestlers was also found insignificant as the respective sig. values are more than 0.05. This shows that the data of national level wrestlers on self-confidence was normally distributed.

Further, Box Plots were employed for checking the outliers in the data. Outliers are the scores which may severely affect the values of different descriptive statistics.









FIG. 2: BOXPLOT FOR THE DATA OF NATIONAL LEVEL INDIAN WRESTLERS ON SELF CONFIDENCE

It is evident from the figure 02 that no outliers were present in the data of national level Indian wrestlers on self-confidence. It is also clear from the above figure that the spread in the data was little more but uniformity around the mean was present.

The levene's test for testing the equality of variances has been employed before applying independent ttest and the table for the same has been presented in the table 3.

TABLE 3

LEVENE'S TEST FOR TESTING THE EQUALITY OF VARIANCES OF INTERNATIONAL AND NATIONAL LEVEL WRESTLERS ON SELF CONFIDENCE

	Levene's	Test	for	
	Equality o	y of Variance		
	F	Sig.		
Self Confidence	31.37	0.00		

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It is clear from the table 3 that the F-value (31.37) for Levene's Test for Equality of Variances was significant as its respective sig. value was less than 0.05. This shows that the assumption of equality of variances has been violated for the data of international and national level wrestlers on self-confidence. This significance of Levene's Test for Equality of Variances will be adjusted by shifting the degree of freedom while applying independent 't' test for the comparison of means of selected groups.

Independent t-test has been employed to compare the means of international and national level wrestlers on self-confidence and has been presented in the table 4.

TABLE 4

INDEPENDENT SAMPLES TEST FOR THE DATA OF INTERNATIONAL AND NATIONAL LEVEL WRESTLERS ON SELF CONFIDENCE

		t-test for Equality of Means						
				9		95	%	
			led)	renc	Std. Error Difference	Confi	dence	
	t	df	-tai	iffe		Interva	l of the	
			13 13 13 13 13 13 13 13 13 13 13 13 13	an D		Diffe	rence	
			S	Me		Lower	Upper	
Self Confidence								
(Equal Variances	-7.5	75.0	.000	-12.45	1.66	-15.76	-9.14	
not assumed)								

Table 4 clearly revels that the value of independent 't' (= - 7.50) was found to be significant as its respective sig. value is less than 0.05. The significance of the independent 't' shows that the international and national level Indian wrestlers were having different level of self-confidence. The difference among the means of the selected groups was found to be -12.45 with a standard error difference of 1.66.

For the clear and easy understanding, the graphical representation of the mean scores of international and national level wrestlers on self-confidence has been presented in the figure 3.



FIG. 3: GRAPHICAL REPRESENTATION OF THE MEAN SCORES OF INTERNATIONAL AND NATIONAL LEVEL WRESTLERS ON SELF CONFIDENCE

Figure 3 shows the means scores of international and national level wrestlers on self-confidence. It is evitable from the figure that the international level wrestlers were having less score on self-confidence which means they were more self-confident. On the other hand the score of national level wrestlers on self-confidence was found to be more which means they were less self-confident.

To understand the nature of the data various statistics such as mean, standard deviation, standard error of mean, coefficient of variation, skewness and kurtosis have been calculated.

Descriptive statistics pertaining to the aggression of international and national level wrestlers has been presented in the table 5.

TABLE 5

DESCRIPTIVE STATISTICS FOR THE SCORES OF INTERNATIONAL AND NATIONAL LEVEL WRESTLERS ON AGGRESSION

ession	N	Me	ean	Std. Deviation	C.V. %	Skewness	Kurtosis
Aggr	Statistic	Statistic	Std. Error	Statistic	Statistic	Statistic	Statistic
ILW	30	167.03	9.61	52.66	31.5	-0.23	-1.25
NLW	50	192.60	7.70	54.49	28.3	-0.34	-1.00

Where ILR= International Level Wrestlers, NLR = National Level Wrestlers

Table 5 shows the descriptive statistics related to aggression of international and national level

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wrestlers. The mean, standard error of mean, standard deviation, coefficient of variation, skewness and kurtosis of the International level wrestlers on selfconfidence was found to be 167.03, 9.61, 52.66, 31.5%, -0.23 and -1.25 respectively. Whereas, the mean, standard error of mean, standard deviation, coefficient of variation, skewness and kurtosis of the national level wrestlers on aggression was found to be 192.6, 7.70, 54.49, 28.3%, -0.34 and -1 00 respectively.

The respective values of skewness reveal that the curve for the data of both the groups was nearly normal as the statistic of skewness was near to the zero. The distribution of data about the mean was found to more as the value of kurtosis was less than minus one.

Coefficient of variation (C.V.) of international and national level wrestlers on aggression is imprinted in the above table. From the above table, it is evident that the data of international level wrestlers on selfconfidence was having more spread in comparison to the national level wrestlers' data.

Test of assumptions: The assumption of normality of the data was tested by applying Kolmogorov-Smirnov test. To check the outliers, box plots were used. Kolmogorov-Smirnov test for the data of international and national level wrestlers has been presented in the table 6.

TABLE 6

KOLMOGOROV-SMIRNOV TEST OF NORMALITY FOR THE DATA ON AGGRESSION

Aggression	Kolmogorov-Smirnov ^a					
Aggression	Statistic	df	Sig.			
ILW	.142	30	.124			
NLW	.173	30	.023			

a. Lilliefors Significance Correction

Where ILR= International Level Wrestlers, and NLR = National Level Wrestlers

It is evident from the table 6 that the Kolmogorov-Smirnov statistic 0.142 for the data of international level wrestlers was found insignificant as the respective sig. values are more than 0.05. This shows that the data of international level wrestlers on aggression was normally distributed. But, Kolmogorov-Smirnov statistic 0.173 for the data of national level wrestlers was found to be significant as the respective sig. valueis less than 0.05. This shows that the data of national level wrestlers on self-confidence was not normally distributed.

Further, Box Plots were employed for checking the outliers in the data. Outliers are the scores which may severely affect the values of different descriptive statistics.



IP_Aggression

FIG. 4: BOXPLOT FOR THE DATA OF INTERNATIONAL LEVEL INDIAN WRESTLERS ON AGGRESSION

It is evident from the figure 4 that no outliers were present in the data of international level Indian wrestlers on aggression. It is also clear from the above figure that the spread in the data was nearly normal about the mean.



FIG. 5 : BOXPLOT FOR THE DATA OF NATIONAL LEVEL INDIAN WRESTLERS ON AGGRESSION

It is evident from the figure 5 that no outliers were present in the data of national level Indian wrestlers on aggression. It is also clear from the above figure that the scores of aggression were more concentrated towards upper side.

The levene's test for testing the equality of variances has been employed before applying independent t-test and the table for the same has been presented in the table 7.

TABLE 7

LEVENE'S TEST FOR TESTING THE EQUALITY OF VARIANCES OF INTERNATIONAL AND NATIONAL LEVEL WRESTLERS ON AGGRESSION

	Levene's	Test	for
	Equality	of Varian	ices
	F	Sig.	
Aggression	0.007	0.935	

It is clear from the table 7 that the F-value (0.007) for Levene's Test for Equality of Variances was insignificant as its respective sig. value was more than 0.05. This shows that the assumption of equality of variances has been fulfilled for the data of international and national level wrestlers on aggression.

Independent t-test has been employed to compare the means of international and national level wrestlers on aggression and has been presented in the table 8.

TABLE 8

INDEPENDENT SAMPLES TEST FOR THE DATA OF INTERNATIONAL AND NATIONAL LEVEL WRESTLERS ON AGGRESSION

t-test for Equality of Means

				e	2	95% Co	nfidence
			Ŧ	enc	Er	Interva	l of the
	t	df	taile	Differ	nce	Differe	ice
			Sig. (2-	Mean I	Std. Differe	Lower	Upper
Aggression	-2.05	78	.043	25.56	12.43	-50.31	-0.81

Table 8 clearly revels that the value of independent 't' (= - 2.05) was found to be significant as its respective sig. value is less than 0.05. The significance of the independent 't' shows that the international and national level Indian wrestlers were having different level of aggression. The difference among the means of the selected groups was found to be 25.56 with a standard error difference of 12.43.

For the clear and easy understanding, the graphical representation of the mean scores of international and national level wrestlers on aggression has been presented in the figure 6.



FIG. 6: GRAPHICAL REPRESENTATION OF THE MEAN SCORES OF INTERNATIONAL AND NATIONAL LEVEL WRESTLERS ON AGGRESSION

Figure 6 shows the means scores of international and national level wrestlers on aggression. It is evitable from the figure that the international level wrestlers were having low score on aggression which means they were less aggressive. On the other hand the score of national level wrestlers on aggression was found to be more which means they were more aggressive.

To understand the nature of the data various statistics such as mean, standard deviation, standard error of mean, coefficient of variation, skewness and kurtosis have been calculated.

The descriptive statistics pertaining to the introversion and extroversion of international and national level wrestlers has been presented in the table 9.

TABLE 9

DESCRIPTIVE STATISTICS FOR THE SCORES OF INTERNATIONAL AND NATIONAL LEVEL WRESTLERS ON INTROVERSION-EXTROVERSION



Where ILR= International Level Wrestlers, NLR = National Level Wrestlers

Table 9 shows the descriptive statistics related to introversion-extroversion of international and national level wrestlers. The mean, standard error of mean, standard deviation, coefficient of variation, skewness and kurtosis of the International level wrestlers on introversion-extroversion was found to be 18.53, 2.67, 14.65, 79.06%, 0.62 and -0.32 respectively. Whereas, the mean, standard error of mean, standard deviation, coefficient of variation, skewness and kurtosis of the national level wrestlers on introversion-extroversion was found to be 15.98, 2.17, 15.38, 96.24%, 0.42 and -0.97 respectively.

The mean scores of international and national level wrestlers on introversion-extroversion shows that both the groups were extrovert.

The respective values of skewness reveal that the curve for the data of both the groups was nearly normal as the statistic of skewness was near to the zero. The distribution of data about the mean was found to little more as the value of kurtosis was less than zero.

Coefficient of variation (C.V.) of international and national level wrestlers on aggression is imprinted in the above table. From the above table, it is evident that the data of national level wrestlers on introversionextroversion was having more spread in comparison to the international level wrestlers' data.

Test of assumptions: The assumption of normality of the data was tested by applying Kolmogorov-Smirnov test. To check the outliers, box plots were used.

Kolmogorov-Smirnov test for the data of international and national level wrestlers has been presented in the table 10.

TABLE 10

KOLMOGOROV-SMIRNOV TEST OF NORMALITY FOR THE DATA ON INTROVERSION-EXTROVERSION

Kolmogorov-Smirnov ^a				
Statistic	df	Sig.		
.108	30	.200		
.123	30	.200		
	Kolmogo Statistic .108 .123	Kolmogorov-Sn Statistic df .108 30 .123 30		

a. Lilliefors Significance Correction

Where ILR= International Level Wrestlers, and NLR = National Level Wrestlers

It is evident from the table 10 that the Kolmogorov-Smirnov statistic 0.108 for the data of international level wrestlers was found insignificant as the respective sig. values are more than 0.05. This shows that the data of international level wrestlers on introversion-extroversion was normally distributed. Further, Kolmogorov-Smirnov statistic 0.123 for the data of national level wrestlers was also found to be insignificant as the respective sig. value is more than 0.05. This shows that the data of national level wrestlers on introversion-extroversion was normally distributed.

Further, Box Plots were employed for checking the outliers in the data. Outliers are the scores which may severely affect the values of different descriptive statistics.



FIG. 7: BOXPLOT FOR THE DATA OF INTERNATIONAL LEVEL INDIAN WRESTLERS ON INTROVERSION-EXTROVERSION

It is evident from the figure 7 that no outliers were present in the data of international level Indian wrestlers on introversion-extroversion. It is also clear from the above figure that the spread in the data was nearly normal about the mean but the concentration of the scores was towards lower side.



NP_Introversion_Extroversion

FIG. 8: BOXPLOT FOR THE DATA OF NATIONAL LEVEL INDIAN WRESTLERS ON INTROVERSION-**EXTROVERSION**

It is evident from the figure 8 that no outliers were present in the data of national level Indian wrestlers on introversion-extroversion. It is also clear from the above figure that the scores of introversionextroversion were normally distributed.

The levene's test for testing the equality of variances has been employed before applying independent t-test and the table for the same has been presented in the table 11.

TABLE 11

LEVENE'S TEST FOR TESTING THE EQUALITY OF VARIANCES OF INTERNATIONAL AND NATIONAL LEVEL WRESTLERS ON INTROVERSION-**EXTROVERSION**

	Levene's Equality o	Test f Varian	for ces
	F	Sig.	
Introversion- Extroversion	0.743	0.391	

It is clear from the table 11 that the F-value (0.743) for Levene's Test for Equality of Variances was insignificant as its respective sig. value was more than 0.05. This shows that the assumption of equality of variances has been fulfilled for the data of international national level wrestlers introversionand on extroversion.

Independent t-test has been employed to compare the means of international and national level wrestlers on introversion-extroversion and has been presented in the table 12.

TABLE 12

INDEPENDENT SAMPLES TEST FOR THE DATA OF INTERNATIONAL AND NATIONAL LEVEL WRESTLERS ON INTROVERSION-**EXTROVERSION**

		t-test for Equality of Means						
	t	df	Sig. (2- tailed)	Mean Difference	Std. Error Difference	95 Confie Interva Diffe Lower	% dence Il of the <u>rence</u> Upper	
Introversion- Extroversion	0.73	78	.467	2.55	3.49	-4.39	9.50	

Table 12 clearly revels that the value of independent "t" (= 0.731) was found to be insignificant as its respective sig. value is more than 0.05. The insignificance of the independent 't' shows that the international and national level Indian wrestlers were having same level of introversion-extroversion. The difference among the means of the selected groups was found to be 2.55 with a standard error difference of 3.49.

For the clear and easy understanding, the graphical representation of the mean scores of international and national level wrestlers on introversionextroversion has been presented in the figure 9.



FIG. 9: GRAPHICAL REPRESENTATION OF THE MEAN SCORES OF INTERNATIONAL AND NATIONAL LEVEL WRESTLERS ON INTROVERSION-EXTROVERSION

Figure 9 shows the means scores of international and national level wrestlers on introversion-extroversion. It is evitable from the figure that the international level wrestlers were having high score on introversionextroversion which means they were more extrovert than national level wrestlers. On the other hand the score of national level wrestlers on introversionextroversion was also towards extroversion.

DISCUSSION OF FINDINGS:

The self-confidence component of the national and international level Indian wrestlers has been obtained by administering the Agnihotri's Self-Confidence Inventory (ASCI). The descriptive statistics for both the groups has been calculated after that and with the help of the descriptive statistic, the researcher got to know that the mean score of self-confidence component for the international level Indian wrestlers was 7.96 and for national level Indian wrestlers it was 20.42. The normality of the data was checked through Kolmogorov-Smirnov test and it has shown that the data belongs to international as well national level wrestlers was normally distributed. No outliers were found in both the cases which show that the means of both the groups were a representative score of the groups. Before applying the independent 't' test, the researcher have employed Levene's test for equality of variances and it was found significant. The significance of the Levene's test shows that the assumption for independent 't' test has not been fulfilled. This significance of Levene's Test for Equality of Variances was adjusted by shifting the degree of freedom while applying independent 't' test for the comparison of means of selected groups.

The independent 't' test was found significant as its respective sig. value was found less than 0.05. This shows that the international level Indian wrestlers as well as national level Indian wrestlers differ on selfconfidence. The graphical representation of the scores has also been done after employing independent 't' test.

The analysis of data pertaining to the self-confidence component shows that both the groups were unequal on this component. The mean values of both the groups shows that the international wrestlers were more self-confident as its value 7.96 indicating very high self-confidence. On the other hand in the case of national level wrestlers it was 20.42 indicating an average level of self-confidence.

The significant difference seen among the groups in case of self-confidence may be attributed to the level of exposure and experience of the wrestlers.

The aggression component of the national and international level Indian wrestlers has been obtained by administering the Aggression Scale (AS). The descriptive statistics for both the groups has been calculated after that and with the help of the descriptive statistic, the researcher got to know that the mean score of aggression component for the international level Indian wrestlers was 167.03 and for national level Indian wrestlers it was 192.6. The normality of the data was checked through Kolmogorov-Smirnov test and it has shown that the data belongs to international level wrestlers was normally distributed but, in case of national level wrestlers it was found to be abnormal. No outliers were found in both the cases which show that the means of both the groups were a representative score of the groups. Before applying the independent 't' test, the researcher have employed Levene's test equality of variances and it was found for insignificant. The insignificance of the Levene's test shows that the assumption for independent 't' test has been fulfilled.

The independent 't' test was found significant on aggression as its respective sig. value was found less than 0.05. This shows that the international level Indian wrestlers as well as national level Indian wrestlers differ on aggression. The graphical representation of the scores has also been done after employing independent 't' test.

The analysis of data pertaining to the aggression component shows that both the groups were unequal on this component. The mean values of both the groups shows that the international wrestlers were lessaggressive than the national level wrestlers.

The significant difference seen among the groups in case of aggression may be attributed to the level of exposure and experience of the wrestlers. In this context the international wrestlers are more exposed to varied game situations thereby apt enough to control the aggressiveness.

The introversion-extroversion component of the national and international level Indian wrestlers has been obtained by administering the Introversion-Extroversion Inventory (IEI). The descriptive statistics for both the groups has been calculated after that and with the help of the descriptive statistic, the researcher got to know that the mean score of introversionextroversion for the international level Indian wrestlers was 18.53 and for national level Indian wrestlers it was 15.98. The normality of the data was checked through Kolmogorov-Smirnov test and it has shown that the data belongs to international and national level Indian wrestlers was normally distributed as the respective sig. values were more than 0.05. No outliers were found in both the cases which show that the means of both the groups were a representative score of the groups. Before applying the independent 't' test, the researcher have employed Levene's test for equality of variances and it was found insignificant in both the cases.

The independent 't' test was found insignificant on introversion-extroversion as its respective sig. value was found more than 0.05. This shows that the international level Indian wrestlers as well as national level Indian wrestlers were same on introversionextroversion scale and both the groups were found extrovert as the scores of both the groups was found to be more than 15. The graphical representation of the scores has also been done after employing independent 't' test. The wrestlers were found extrovert, it means they were more sociable, more outgoing, confident and more active. They were found to be the persons concerned more with external reality than inner feelings.

CONCLUSIONS:

On the basis of the results, the following conclusions may be drawn from the study:

- 1. The International level Indian wrestlers are highly self-confident than the National level Indian wrestlers.
- 2. The National level Indian wrestlers are more aggressive in their personality than the International level Indian wrestlers.
- The international and national level wrestlers 3. of India are extrovert in their personality.

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