

A Cross Sectional study of Aggression of Wrestlers Participating in Different Level Tournaments

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1.0 Introduction

The popularity attained by professional wrestling today makes it difficult to overlook many aspects of the game, especially the psychological aspects. For example, the reservations about the type of verbal exchange often found in televised professional wrestling are not new to anyone. Anecdotes about players imitating professional wrestlers' aggressive behaviour, and though such anecdotes may be alarming, there is little empirical research on the occurrence of aggression in wrestling. In fact, the presence of aggressive wrestlers in various tournaments has been generally overlooked. This focus might be expected when we consider the harm that often results from aggression. The significance of sport in our culture makes the aggression found in its portrayal an important concern. Aggression seems abundant in many types of sport, but most noticeably in wrestling.

Physical aggression, or violent moves, involves the use of physical force or a credible threat of physical force intended to physically harm another. In contrast, psychological aggression involves "attacking the self-concept of another person instead of, or in addition to, the person's position on a topic of communication". The importance of sport in our culture can be seen in the extent to which it permeates daily life and this importance makes the sportspersons very aggressive so that they can remain at the top position. Whether used metaphorically to express meaning or called on just as a topic of discussion, sport plays an important role in our communication patterns, as well as our way of life; a role that seems particularly relevant among young men. Throughout the past few decades though the society has been desensitized to fighting and now accepts it (wrestling) as a complex sport

and also a form of entertainment. Aggression can take a variety of forms which may be expressed physically or communicated verbally or non-verbally. There are two subtypes of human aggression: (1) controlled-instrumental subtype (purposeful or goal-oriented); and (2) reactive-impulsive subtype (often elicits uncontrollable actions that are inappropriate or undesirable). Hence, in view of the above, it is important that the level of aggression amongst the wrestlers be studied in detail. This study has been carried out to know the level of aggression in the wrestlers participating in different level tournaments.

2.0 Research Methodology

2.1 Design of the Study

A multiple group design was adopted for comparative assessment of aggression in wrestlers participated in different level tournament.

2.2 Sample

Sample selection was carried out following stratified random sampling method of sample selection. This involved selection of wrestlers who have participated in University, State and National level tournaments. For the present study a total of 150 wrestlers (50 each who have participated in University, State and National level tournaments) were selected.

2.3 Selection of Tests (Tools used)

Keeping in view the availability and suitability of tests, the following test was used to collect data pertaining to the level of aggression amongst the wrestlers. To study Aggression, the Aggression Inventory (AI) developed by M.K. Sultania was used.

2.4 Collection of Data

Researcher took permission from the authority for filing up the tests from selected wrestlers. All wrestlers were gathered in a class

room. Researcher explained them regarding impulsiveness, anxiety and aggression. Instructions were given to wrestlers about filling the questionnaire and then they were asked to complete questionnaire. All the test copies were collected after completion. The data was collected by visiting the places where tournaments were organized.

2.5 Statistical Technique Employed and Significance Level

The data characteristics (descriptive statistics) such as Mean, Standard Deviatino, Minimum, Maximum, etc. were determined using SPSS 18.0 Software. To compare the scores obtained with respect to aggression of wrestlers, one way analysis of variance (ANOVA) test was employed. The significance level chosen was 0.05 (or equivalently, 5%).

3.0 Statistical Analysis and Interpretation

3.1 Assault aggression level of wrestlers

Table 1: Assault aggression level of wrestlers participating in different level tournaments

Level	Mean	± SD	Min	Max	F' ratio	P
University	4.4	± 0.8	3	7	3.569	<0.05
State	5.3	± 0.5	3	8		
National	6.2	± 0.9	4	9		

SD: Standard deviation; Min: Minimum; Max: Maximum

Table 1 presents information pertaining to assault aggression level of the wrestlers participating in different level tournaments. Study data shows that assault aggression score of university level wrestlers is 4.4± 0.8 while assault aggression score of state level wrestlers is 5.3± 0.5. Furthermore, assault aggression score of national level wrestlers is 6.2± 0.9.

3.2 Indirect aggression level of wrestlers

Table 2: Indirect aggression level of wrestlers participating in different level tournaments

Level	Mean	± SD	Min	Max	F' ratio	P
University	4.9	± 0.7	3	6	1.523	NS
State	5.6	± 0.6	2	7		
National	5.3	± 0.5	3	7		

SD: Standard deviation; Min: Minimum; Max: Maximum; NS: Not significant

Above Table 2 presents information pertaining to indirect aggression level of the wrestlers participating in different level tournaments.

Study data shows that indirect aggression score of university level wrestlers is 4.9± 0.7 while indirect aggression score of state level wrestlers is 5.6± 0.6. Furthermore indirect aggression score of national level wrestlers is 5.3± 0.5.

3.3 Irritability aggression level of wrestlers

Table 3: Irritability aggression level of wrestlers participating in different level tournaments

Level	Mean	± SD	Min	Max	F' ratio	P
University	3.2	± 0.4	1	5	3.212	<0.05
State	4.2	± 0.3	2	6		
National	4.6	± 0.5	2	6		

SD: Standard deviation; Min: Minimum; Max: Maximum

Above Table 3 presents information pertaining to irritability aggression level of the wrestlers participating in different level tournaments. Study data shows that irritability aggression score of university level wrestlers is 3.2± 0.4 while irritability aggression score of state level wrestlers is 4.2± 0.53. Furthermore irritability aggression score of national level wrestlers is 4.6± 0.5.

3.4 Aggression - Negativism factor of wrestlers

Table 4: Aggression-negativism amongst wrestlers participating in various tournaments

Level	Mean	± SD	Min	Max	F' ratio	P
University	2.6	± 0.3	1	4	1.424	NS
State	2.3	± 0.5	2	5		
National	2.1	± 0.4	2	5		

SD: Standard deviation; Min: Minimum; Max: Maximum; NS: Not significant

Above Table 4 presents information pertaining to aggression- negativism factor of the wrestlers participating in different level tournaments. Study data shows that aggression- negativism factor score of university level wrestlers is 2.6± 0.3 while aggression- negativism factor score of state level wrestlers is 2.3± 0.5. Furthermore aggression-negativism factor score of national level wrestlers is 2.1± 0.4.

3.5 Aggression - Resentment factor of wrestlers

Table 5: Aggression- Resentment factor of wrestlers participating in different level tournaments

Level	Mean	± SD	Min	Max	F' ratio	P
University	3.5	± 0.5	2	5	4.008	<0.05
State	2.9	± 0.3	2	6		
National	4.4	± 0.4	2	7		

SD: Standard deviation; Min: Minimum; Max: Maximum

Above **Table 5** presents information pertaining to aggression-resentment factor of the wrestlers participating in different level tournaments. Study data shows that aggression-resentment factor score of university level wrestlers is 3.5 ± 0.5 while aggression-resentment factor score of state level wrestlers is 2.9 ± 0.3 . Furthermore aggression-resentment factor score of national level wrestlers is 4.4 ± 0.4 .

3.6 Aggression - Suspicion factor of wrestlers

Table 6: Aggression- Suspicion factor of wrestlers participating in different level tournaments

Level	Mean	± SD	Min	Max	F' ratio	P
University	4.4	± 0.7	2	7	1.097	NS
State	5.2	± 0.6	3	8		
National	5.4	± 0.9	3	8		

SD: Standard deviation; Min: Minimum; Max: Maximum; NS: Not significant

Above **Table 6** presents information pertaining to aggression-suspicion factor of the wrestlers participating in different level tournaments. Study data shows that aggression-suspicion factor score of university level wrestlers is 4.4 ± 0.7 while aggression-suspicion factor score of state level wrestlers is 5.2 ± 0.6 . Furthermore aggression-suspicion factor score of national level wrestlers is 5.4 ± 0.9 .

Verbal Aggression of wrestlers

Table 7: Verbal Aggression of wrestlers participating in different level tournaments

Level	Mean	± SD	Min	Max	F' ratio	P
University	4.8	± 0.8	2	8	3.995	<0.05
State	5.9	± 1.2	3	9		
National	6.6	± 1.1	3	10		

SD: Standard deviation; Min: Minimum; Max: Maximum; NS: Not significant

Above **Table 7** presents information pertaining to verbal aggression of the wrestlers participating in different level tournaments. Study data shows that verbal aggression score of university level wrestlers is 4.8 ± 0.8 while verbal aggression score of state level wrestlers is 5.9 ± 1.2 . Furthermore verbal aggression score of national level wrestlers is 6.6 ± 1.1 .

3.8 Aggression - Guilt factor of wrestlers

Table 8: Aggression-Guilt factor of wrestlers participating in different level tournaments

Level	Mean	± SD	Min	Max	F' ratio	P
University	5.2	± 0.5	3	8	4.124	<0.05
State	4.6	± 0.6	3	7		
National	3.2	± 0.4	1	5		

SD: Standard deviation; Min: Minimum; Max: Maximum

Above **Table 8** presents information pertaining to aggression-guilt factor of the wrestlers participating in different level tournaments. Study data shows that aggression-guilt factor score of university level wrestlers is 5.2 ± 0.5 while aggression-guilt factor score of state level wrestlers is 4.6 ± 0.6 . Furthermore aggression-guilt factor score of national level wrestlers is 3.2 ± 0.4 .

3.9 Overall Aggression of wrestlers

Table 9: Overall Aggression of wrestlers participating in different level tournaments

Level	Mean	± SD	Min	Max	F' ratio	P
University	27.9	± 2.8	23	41	4.869	<0.05
State	37.8	± 3.7	29	50		
National	42.2	± 5.1	34	56		

SD: Standard deviation; Min: Minimum; Max: Maximum

Above **Table 9** presents information pertaining to overall aggression of the wrestlers participating in different level tournaments. Study data shows that overall aggression score of university level wrestlers is 27.9 ± 2.8 while overall aggression score of state level wrestlers is 37.8 ± 3.7 . Furthermore overall aggression score of national level wrestlers is 42.2 ± 5.1 .

4.0 Conclusions

4.1 Assault aggression level of wrestlers

- In view of the study results it is evident that there is ($P < 0.05$) significant difference in the assault aggression score of wrestlers participating in different level tournaments. However assault aggression is higher among the wrestlers participating in national level tournaments.

4.2 Indirect aggression level of wrestlers

- From the study results it is evident that there is no difference in the indirect aggression of wrestlers participating in different level tournaments.

4.3 Irritability aggression level of wrestlers

- On the basis of the study results it is evident that there is ($P < 0.05$) significant difference in the irritability aggression score of wrestlers

participating in different level tournaments. However irritability aggression is higher among the wrestlers participating in national level tournaments.

4.4 Aggression - Negativism factor of wrestlers

- In view of the study results it is evident that there is no difference in the aggression- negativism factor of wrestlers participating in different level tournaments.

4.5 Aggression - Resentment factor of wrestlers

- From the study results it is evident that there is ($P<0.05$) significant difference in the aggression-resentment factor score of wrestlers participating in different level tournaments. However aggression-resentment factor is higher among the wrestlers participating in national level tournaments.

4.6 Aggression - Suspicion factor of wrestlers

- In view of the study results it is evident that there is no difference in the aggression-suspicion factor score of wrestlers participating in different level tournaments.

4.7 Verbal Aggression of wrestlers

- On the basis of the study results it is evident that there is ($P<0.05$) significant difference in the verbal aggression score of wrestlers participating in different level tournaments. However verbal aggression is higher among the wrestlers participating in national level tournaments.

4.8 Aggression - Guilt factor of wrestlers

- In view of the study results it is evident that there is ($P<0.05$) significant difference in the aggression-guilt factor score of wrestlers participating in different level tournaments. However aggression-guilt factor is higher among the wrestlers participating in university level tournaments.

4.9 Overall Aggression of wrestlers

- In view of the study results it is evident that there is ($P<0.05$) significant difference in the overall aggression score of wrestlers participating in different level tournaments. However overall aggression is higher among the wrestlers participating in national level tournaments.

5.0 Bibliography

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