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Analysis of athletes' perspective of coaching behavioral patterns of various individual and team games of State level players of Madhya Pradesh

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Abstract

The purpose of this study to compare to athletes' perspective of coaching behavioral patterns at different levels in various games with dimension wise (1. Physical Training, 2. Technical Skill, 3. Mental Preparation, 4. Goal Setting, 5. Competition Strategies, 6. Personal Rapport, 7. Negative Personal Rapport, and 8. Overall) variables of State level in various games. The analysis of data collected on the total number of subjects ninety (N=90) 15 male players for each games like individual games (Wrestling, (15) Weightlifting, (15) and Judo(15) and forty five 45 team games (Cricket, (15) Football (15) and Hockey(15) who was participating in 2013-2014 tournaments was selected randomly as the subjects for this study. The data on athletes' perspective of coaching behavioral patterns at different levels in various games with dimension wise of State level in various games of individual and team games were selected. Data was collected through questioner coaching behavior scale for sport (CBS-S) by J. Cote, J. Yardley, J. Hay, and W. Sedgwick & J. Baker. Analysis of variance ANOVA with LSD Post Hoc Test, multiple comparison (Mean Deference and Critical Mean Deference) were applied. The data analyzing tools SPSS- 21 software was used. There was significance difference Mean score f-value, of perspective of coaching behavioral patterns at State level in various games with dimension wise dimension of Physical Training, Technical Skill Goal Setting, Negative Personal Rapport. There was significance difference between Wrestling and Hockey, Wrestling and Hockey, Judo and Hockey and Cricket and Hockey for the State level Players for of Physical training dimension of coaching behavior scale. There was significance difference between Wrestling and Football, Wrestling and Hockey Wrestling and Football, Wrestling and Hockey, Judo and Hockey and Cricket and Hockey for the State level Players for of Technical Skill dimension of coaching behavior scale. There was no significance difference between all individual and team games players of State level Players for of mental preparation dimension of coaching behavior scale. There was significance difference between (Wrestling and Judo, Cricket, Football, Hockey) (Between Weightlifting and Judo, Cricket, Football, Hockey) between Judo and Hockey, for the State level Players of Goal Setting dimension of coaching behavior scale. There was significance difference between Wrestling and Hockey Wrestling and Football, Weightlifting and Football, Weightlifting and Hockey, Judo and Hockey and Football and Hockey for the Competition Strategies dimension of coaching behavior scale. There was significance difference between Wrestling and Cricket, Wrestling and Football, Cricket and Hockey for the Personal Report dimension of coaching behavior scale. There was significance difference between (Wrestling and weightlifting, Cricket, Football, Hockey) (Between Weightlifting and, Cricket, Football, Hockey) (between Judo and Cricket, Football, Hockey), for the State level Players of Goal Setting dimension of coaching behavior scale. There was significance difference between Wrestling and Football, Wrestling and Hockey, Weightlifting and Football, Weightlifting and Hockey, Judo and Hockey, Cricket and Hockey for the Over All dimension of coaching behavior scale.

Keywords: Athletes', various games, Madhya Pradesh

Introduction

The complex nature of the coaching process means that coaches' behavior, and practice within it, is subject to a wide range of often confounding and uncontrollable variables. However, whilst seemingly obvious, how the coach behaves and what the coach does is one element of the coaching process' that is under the control of the coach. Indeed, the coach occupies a position of centrality and influence in the sporting arena. Moreover, the coach is a powerful socializing agent whose behavior can impact athlete performance, learning, and a range of

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range of psycho-social outcomes. This impact can be both positive and negative. It would seem therefore, that understanding which behaviors translate into positive (and negative) outcomes for athletes is essential for practitioners and coaching scholars alike. This is the case for practitioners, as evidence would suggest that coaches are notoriously poor at describing their own behavior, while with athletes the reverse is true; athletes are more accurate at describing their coach's behavior than the coaches are themselves.

Objectives of the study

To compare to athletes' perspective of coaching behavioral patterns at different levels in various games with dimension wise (1. Physical Training, 2. Technical Skill, 3. Mental Preparation, 4. Goal Setting, 5. Competition Strategies, 6. Personal Rapport, 7. Negative Personal Rapport, and 8. Overall) variables of State level in various games.

Methodology

The analysis of data collected on the total number of subjects ninety (N=90) 15 male players for each games like individual games (Wrestling, (15) Weightlifting, (15) and Judo(15) and forty five 45 team games (Cricket, (15) Football (15) and Hockey(15) who was participating in 2013-2014 tournaments was selected randomly as the subjects for this study. The data on athletes' perspective of coaching behavioral patterns at different levels in various games with dimension wise 1. Physical Training, 2. Technical Skill, 3. Mental Preparation, 4. Goal Setting, 5. Competition Strategies, 6. Personal Rapport, 7. Negative Personal Rapport, and 8. Overall

variables of State level in various games of individual and team games were selected. Data was collected through questioner coaching behavior scale for sport (CBS-S) by J. Cote, J. Yardley, J. Hay, and W. Sedgwick & J. Baker [11]. Analysis of variance ANOVA with LSD Post Hoc Test, multiple comparison (Mean Deference and Critical Mean Deference) were applied. The data analyzing tools SPSS- 21 software was used.

Level of Significance

The level of significance to check the compare obtained by analysis of variance ANOVA with post hoc test was set at 0.05 level.

Statistical Analysis

Analysis of Variance (ANOVA) was applied was applied for SPSS-21 software to analyze and compare of athletes' perspective of coaching behavioral patterns at State levels in various games of State level in various games of Three individual and three team games Significant was set at 0.05.

Findings and Results of the Study Table 1

Table 1. Analysis of Variance (ANOVA) for athletes' perspective of coaching behavioral patterns variables at State level in various games with dimension wise 1. Physical Training, 2. Technical Skill, 3. Mental Preparation, 4. Goal Setting, 5. Competition Strategies, 6. Personal Rapport, 7. Negative Personal Rapport, and 8. Overall.

Table 1: Multiple competition (LSD with Post Hoc Test) of Team and Individual games of State level Players for the Physical training dimension of coaching behavior scale

S. No.	Group mean						MD	CD
	Wrestling	Weightlifting	Judo	Cricket	Football	Hockey		
1	41.467	40.800	-----	-----	-----	-----	.6667	2.02
2	41.467	-----	40.200	-----	-----	-----	1.2667	
3	41.467	-----	-----	39.067	-----	-----	2.4000	
4	41.467	-----	-----	-----	37.000	-----	4.4667*	
5	41.467	-----	-----	-----	-----	36.200	5.2667*	
6	-----	40.800	40.200	-----	-----	-----	.6000	
7	-----	40.800	-----	39.067	-----	-----	1.7333	
8	-----	40.800	-----	-----	37.000	-----	3.8000*	
9	-----	40.800	-----	-----	-----	36.200	4.6000*	
10	-----	-----	40.200	39.067	-----	-----	1.1333	
11	-----	-----	40.200	-----	37.000	-----	3.2000*	
12	-----	-----	40.200	-----	-----	36.200	4.0000*	
13	-----	-----	-----	39.067	37.000	-----	2.0667	
14	-----	-----	-----	39.067	-----	36.200	2.8667*	
15	-----	-----	-----	-----	37.000	36.200	.8000	

Table-2 reveal that the mean score of various games (wrestling, weightlifting, Judo, Cricket, Football and Hockey) players of coaching behavior scale of dimension wise mean value of wrestling (41.467) weightlifting (40.800), Judo (40.200), Cricket (39.067), Football (37.000), Hockey (36.200), were found superior to wrestling mean value hence it is concluded that there is no significant difference between wrestling (41.467 and among groups weightlifting (254.06), Judo (253.06), and Cricket (259.200) MD value (.6667, 1.2667, 2.4000*) is less than CD (2.02) value. There was significance difference between wrestling (41.467) and among groups Football (37.000), Hockey (36.200), obtained mean difference value (MD) (4.4667*, 5.2667*), which was more than the critical difference value (CD) (2.02).

Weightlifting

It was no significant difference between weightlifting (254.06), and among groups Judo (253.06), and Cricket

(259.200) MD value of (.6000, 1.7333) which was less than the critical difference value (CD) (2.02). And significant difference between weightlifting (254.06,) and among groups Football (37.000), Hockey (36.200), MD (4.4667*, 5.2667*), which was more than the critical difference value (CD) (2.02).

Judo

There was no significant difference between Judo (253.06), and among groups Cricket (39.067) Football (37.000), MD value of (.6000, 1.7333) which was less than the critical difference value (CD) (10.87). And significant difference between Judo (253.06), and among groups Football (37.000), and Hockey (36.200), MD (3.8000*, 4.6000*), which was more than the critical difference value (CD) (2.02).

Cricket

There was no significant difference between Cricket (39.067)

and Football (37.000), MD value of (2.0667,) which was less than the critical difference value (CD) (2.02). And significant difference between Cricket (39.067) and Hockey (36.200) MD value (2.8667*) which was more than the critical difference value (CD) (2.02).

Football

There was no significant difference between Football (37.000), and Hockey (36.200) MD value of (.8000) which was more than the critical difference value (CD) (2.02).

Table 2: Multiple competition (LSD with Post Hoc Test) of Team and Individual games of State level Players for the Technical Skill dimension of coaching behaviour scale

S. No.	Group mean						MD	CD
	Wrestling	Weightlifting	Judo	Cricket	Football	Hockey		
1	36.200	47.533	-----	-----	-----	-----	.9333	2.14
2	36.200	-----	46.533	-----	-----	-----	1.9333	
3	36.200	-----	-----	44.533	-----	-----	3.9333*	
4	36.200	-----	-----	-----	42.600	-----	5.8667*	
5	36.200	-----	-----	-----	-----	42.133	6.3333*	
6	-----	47.533	46.533	-----	-----	-----	1.0000	
7	-----	47.533	-----	44.533	-----	-----	3.0000	
8	-----	47.533	-----	-----	42.600	-----	4.9333*	
9	-----	47.533	-----	-----	-----	42.133	5.4000*	
10	-----	-----	46.533	44.533	-----	-----	2.0000	
11	-----	-----	46.533	-----	42.600	-----	3.9333*	
12	-----	-----	46.533	-----	-----	42.133	4.4000*	
13	-----	-----	-----	44.533	42.600	-----	1.9333	
14	-----	-----	-----	44.533	-----	42.133	2.4000	
15	-----	-----	-----	-----	42.600	42.133	.4667	

Table-3 reveal that the mean score of various games (wrestling, weightlifting, Judo, Cricket, Football and Hockey) players of coaching behavior scale of dimension wise mean value of wrestling (36.200) weightlifting (47.533), Judo (46.533), Cricket (44.533), Football (42.600), Hockey (42.133), were found superior to wrestling mean value hence it is concluded that there is no significant difference between wrestling (36.200) and among groups weightlifting (47.533), and Judo (46.533), MD value (.9333, 1.9333,) is less than CD (2.04) value. There was significance difference between wrestling (36.200) and among groups Cricket (44.533), Football (42.600), Hockey (42.133), obtained mean difference value (MD) (3.9333*, 5.8667), which was more than the critical difference value (CD) (2.14).

Weightlifting

It was significant difference between weightlifting (47.533), and Judo (46.533) and MD value of (6.3333*) which was more than critical difference value (CD) (2.14). And no significant difference between weightlifting (47.533), and among groups Cricket (44.533), Football (42.600), MD (1.0000, 3.0000*), which was more than the critical difference value (CD) (2.14).

Judo

There was no significant difference between Judo (47.533), and Cricket (44.533) Football (44.533), MD value of (2.0000) which was less than the critical difference value (CD) (2.14). And significant difference between Judo (46.533), and among groups Football (42.600), and Hockey (42.133), MD (3.9333*, 4.4000*), which was more than the critical difference value (CD) (2.14).

Cricket

There was no significant difference between Cricket (44.533) and among groups Football (44.533), Hockey (42.133), MD value of (1.9333, 2.4000) which was less than the critical difference value (CD) (2.02). And significant difference between.

Football

There was no significant difference between Football (44.533), Hockey (42.133), and MD value of (.4667) which was less than the critical difference value (CD) (2.14).

Table 3: Multiple competition (LSD with Post Hoc Test) of Team and Individual games of National level Players for the mental preparation dimension of coaching behavior scale

S. No.	Group mean						MD	CD
	Wrestling	Weightlifting	Judo	Cricket	Football	Hockey		
1	30.600	29.533	-----	-----	-----	-----	1.0667	1.23
2	30.600	-----	29.733	-----	-----	-----	.8667	
3	30.600	-----	-----	29.267	-----	-----	1.3333	
4	30.600	-----	-----	-----	28.333	-----	2.2667*	
5	30.600	29.533	-----	-----	-----	28.667	1.9333*	
6	-----	29.533	29.733	-----	-----	-----	-.2000	
7	-----	29.533	-----	29.267	-----	-----	.2667	
8	-----	29.533	-----	-----	28.333	-----	1.2000	
9	-----	-----	-----	-----	-----	28.667	.8667	
10	-----	-----	29.733	29.267	-----	-----	.4667	
11	-----	-----	29.733	-----	28.333	-----	1.4000	
12	-----	-----	29.733	-----	-----	28.667	1.0667	
13	-----	-----	-----	29.267	28.333	-----	.9333	
14	-----	-----	-----	29.267	-----	28.667	.6000	
15	-----	-----	-----	-----	28.333	28.667	-.3333	

Table-4 reveal that the mean score of various games (wrestling, weightlifting, Judo, Cricket, Football and Hockey) players of coaching behavior scale of dimension wise mean value of wrestling (30.600) weightlifting (29.533), Judo (29.733), Cricket (29.267), Football (28.333), Hockey (28.667), were found superior to wrestling mean value hence it is concluded that there is no significant difference between wrestling (30.600) and among groups weightlifting (29.533), Judo (29.733), and Cricket (29.267), MD value (1.0667, .8667, 1.3333) is less than CD (1.23) value. There was significance difference between wrestling (30.600) and among groups Football (28.333), Hockey (42.133), obtained mean difference value (MD) (2.2667*, 1.9333*), which was more than the critical difference value (CD) (1.23).

Weightlifting

It was no significant difference between weightlifting (29.533) and among groups Judo (29.733), Cricket (29.267), Football (28.333), Hockey (28.667), MD value of ((-.2000,

.2667, 1.2000, .8667)) which was more than critical difference value (CD) (1.23).

Judo

There was no significant difference between Judo (29.733), and among groups Cricket (29.267), Football (28.333), Hockey (28.667), MD value of (.4667, 1.4000, and 1.0667) which was less than the critical difference value (CD) (1.23).

Cricket

There was no significant difference between Cricket (29.267), and among groups Football (28.333), Hockey (28.667), MD value of (.9333, .6000) which was less than the critical difference value (CD) (2.02). And significant difference between.

Football

There was no significant difference between Football (28.333), Hockey (28.667), MD value of (-.3333) which was less than the critical difference value (CD) (1.23).

Table 4: Multiple competition (LSD with Post Hoc Test) of Team and Individual games of State level Players for the Goal Setting dimension of coaching behavior scale

S.N.	Group mean						MD	CD
	Wrestling	Weightlifting	Judo	Cricket	Football	Hockey		
1	36.600	36.733	----	-----	-----	-----	-.1333	1.74
2	36.600	-----	34.867	-----	-----	-----	1.7333	
3	36.600	-----	-----	33.667	-----	-----	2.9333*	
4	36.600	-----	-----	-----	33.067	-----	3.5333*	
5	36.600	-----	-----	-----	-----	33.200	3.4000*	
6	-----	36.733	34.867	-----	-----	-----	1.8667	
7	-----	36.733	-----	33.667	-----	-----	3.0667*	
8	-----	36.733	-----	-----	33.067	-----	3.6667*	
9	-----	36.733	-----	-----	-----	33.200	3.5333*	
10	-----	-----	34.867	33.667	-----	-----	1.2000	
11	-----	-----	34.867	-----	33.067	-----	1.8000	
12	-----	-----	34.867	-----	-----	33.200	1.6667	
13	-----	-----	-----	33.667	33.067	-----	.6000	
14	-----	-----	-----	33.667	-----	33.200	.4667	
15	-----	-----	-----	-----	33.067	33.200	-.1333	

Table-5 reveal that the mean score of various games (wrestling, weightlifting, Judo, Cricket, Football and Hockey) players of coaching behaviour scale of dimension wise mean value of wrestling (36.600) weightlifting (36.733), Judo (34.867), Cricket (33.667), Football (33.067), Hockey (33.200), were found superior to wrestling mean value hence it is concluded that there is no significant difference between wrestling (36.600) and among groups weightlifting (36.733), and Judo (34.867), MD value (-.1333, 1.7333,) is less than CD (1.74) value. There was significance difference between wrestling (36.600) and among groups Cricket (33.667), Football (33.067), Hockey (33.200), obtained mean difference value (MD) (2.9333*, 3.5333*, 3.4000*), which was more than the critical difference value (CD) (1.74)

Weightlifting

It was no significant difference between weightlifting (36.733), and Judo (34.867) MD value of (-.1333) which was less than critical difference value (CD) (1.74). And significant difference between weightlifting (36.733), and among groups Cricket (33.667), Football (33.067), Hockey (33.200), MD

(2.9333*, 3.5333*, 3.4000**), which was more than the critical difference value (CD) (1.74).

Judo

There was no significant difference between Judo (34.867), and among groups Cricket (33.667), Football (33.067), Hockey (33.200), MD value of (1.2000, 1.8000, and 1.6667) which was less than the critical difference value (CD) (2.14). And significant difference between Judo (46.533), and among groups Cricket (33.667), Football (33.067), Hockey (33.200), MD (1.2000, 4.4000*), which was more than the critical difference value (CD) (2.14).

Cricket

There was no significant difference between Cricket (33.667) and among groups Football (33.067), Hockey (33.200), MD value of (.6000, .4667) which was less than the critical difference value (CD) (1.74).

Football

There was no significant difference between Football (33.067), and Hockey (33.200), MD value of (-.1333) which was less than the critical difference value (CD) (2.14).

Table 5: Multiple competition (LSD with Post Hoc Test) of Team and Individual games of State level Players for the Competition Strategies dimension of coaching behavior scale

S. No.	Group mean						MD	CD
	Wrestling	Weightlifting	Judo	Cricket	Football	Hockey		
1	42.667	42.800	----	-----	-----	-----	-.1333	2.16
2	42.667	-----	40.533	-----	-----	-----	2.1333	
3	42.667	-----	-----	40.667	-----	-----	2.0000	
4	42.667	-----	-----	-----	38.067	-----	4.6000*	
5	42.667	-----	-----	-----	-----	38.867	3.8000*	
6	-----	42.800	40.533	-----	-----	-----	2.2667	
7	-----	42.800	-----	40.667	-----	-----	2.1333	
8	-----	42.800	-----	-----	38.067	-----	4.7333*	
9	-----	42.800	-----	-----	-----	38.867	3.9333*	
10	-----	-----	40.533	40.667	-----	-----	-.1333	
11	-----	-----	40.533	-----	38.067	-----	2.4667	
12	-----	-----	40.533	-----	-----	38.867	1.6667	
13	-----	-----	-----	40.667	38.067	-----	2.6000*	
14	-----	-----	-----	40.667	-----	38.867	1.8000	
15	-----	-----	-----	-----	38.067	38.867	-.8000	

Table-6 reveal that the mean score of various games (wrestling, weightlifting, Judo, Cricket, Football and Hockey) players of coaching behavior scale of dimension wise mean value of wrestling (42.667) weightlifting (42.800), Judo (40.533), Cricket (40.667), Football (38.067), Hockey (38.867), were found superior to wrestling mean value hence it is concluded that there is no significant difference between wrestling (42.667) and among groups weightlifting (42.800), Judo (40.533), Cricket (40.667), MD value (-.1333, 2.1333, 2.0000,) is less than CD (2.16) value. There was significance difference between wrestling (42.667) and among groups Football (38.067), Hockey (38.867), obtained mean difference value (MD) (4.6000*, 3.8000*), which was more than the critical difference value (CD) (2.16)

Weightlifting

It was no significant difference between weightlifting (42.800), and among groups Judo (40.533), Cricket (40.667) MD value of (2.2667, 2.1333) which was less than critical difference value (CD) (2.16). And significant difference between weightlifting (42.800), and among groups Football

(38.067), Hockey, MD (4.7333*, 3.9333**), which was more than the critical difference value (CD) (2.16).

Judo

There was no significant difference between Judo (40.533), and among groups Cricket (33.667), Football (33.067), Hockey (33.200), MD value of (1.2000, 1.8000, and 1.6667) which was less than the critical difference value (CD) (2.16).

Cricket

There was significant difference between Cricket (33.667), and Football (33.067), MD value of (2.6000*) which was more than the critical difference value (CD) (2.16). And no significant difference between Cricket (33.667) and Hockey (33.200) MD (1.8000*), which was more than the critical difference value (CD) (2.16).

Football

There was no significant difference between Football (38.067), and Hockey (38.867), MD value of (-.8000) which was less than the critical difference value (CD) (2.16).

Table 6: Multiple competition (LSD with Post Hoc Test) of Team and Individual games of State level Players for the Personal Report dimension of coaching behavior scale

S. No.	Group mean						MD	CD
	Wrestling	Weightlifting	Judo	Cricket	Football	Hockey		
1	35.933	33.867	----	-----	-----	-----	2.0667	2.90
2	35.933	-----	33.600	-----	-----	-----	2.3333	
3	35.933	-----	-----	34.067	-----	-----	1.8667	
4	35.933	-----	-----	-----	32.533	-----	3.4000*	
5	35.933	-----	-----	-----	-----	32.467	3.4667*	
6	-----	33.867	33.600	-----	-----	-----	.2667	
7	-----	33.867	-----	34.067	-----	-----	-.2000	
8	-----	33.867	-----	-----	32.533	-----	1.3333	
9	-----	33.867	-----	-----	-----	32.467	1.4000	
10	-----	-----	33.600	34.067	-----	-----	-.4667	
11	-----	-----	33.600	-----	32.533	-----	1.0667	
12	-----	-----	33.600	-----	-----	32.467	1.1333	
13	-----	-----	-----	34.067	32.533	-----	1.5333	
14	-----	-----	-----	34.067	-----	32.467	1.6000	
15	-----	-----	-----	-----	32.533	32.467	.0667	

Table-7 reveal that the mean score of various games (wrestling, weightlifting, Judo, Cricket, Football and Hockey) players of coaching behavior scale of dimension wise mean value of wrestling (35.933) weightlifting (33.867), Judo (33.600), Cricket (34.067), Football (32.533), Hockey

(32.467), were found superior to wrestling mean value hence it is concluded that there is no significant difference between wrestling (33.867) and among groups weightlifting (33.867), Judo (33.600), Cricket (34.067), MD value (2.0667, 2.3333, 1.8667) is less than CD (2.90) value. There was significance

difference between wrestling (33.867) and among groups Football (32.533), Hockey (32.467), obtained mean difference value (MD) (3.4000*, 3.4667*), which was more than the critical difference value (CD) (2.90)

Weightlifting

It was no significant difference between weightlifting (33.867), and among groups Judo (33.600), Cricket (34.067), Football (32.533), Hockey (32.467), MD value of (.2667, -.2000, 1.3333, 1.4000) which was less than critical difference value (CD) (2.90).

Judo

There was no significant difference between Judo (33.600),

and among groups Cricket (34.067), Football (32.533), Hockey (32.467), MD value of (-.4667, 1.0667, 1.1333) which was less than the critical difference value (CD) (2.16).

Cricket

There was no significant difference between Cricket (34.067), and Football (32.533), Hockey (32.467), MD value of (1.5333, 1.6000) which was more than the critical difference value (CD) (2.90).

Football

There was no significant difference between Football (32.533), and Hockey (32.467), MD value of (.0667) which was less than the critical difference value (CD) (2.90).

Table 7: Multiple competition (LSD with Post Hoc Test) of Team and Individual games of State level Players for the Negative Personal Report dimension of coaching behavior scale

S. No.	Group mean						MD	CD
	Wrestling	Weightlifting	Judo	Cricket	Football	Hockey		
1	21.933	17.400	-----	-----	-----	-----	4.5333*	2.67
2	21.933	-----	21.200	-----	-----	-----	.7333	
3	21.933	-----	-----	29.067	-----	-----	-7.1333*	
4	21.933	-----	-----	-----	25.667	-----	-3.7333*	
5	21.933	-----	-----	-----	-----	25.600	-3.6667*	
6	-----	17.400	21.200	-----	-----	-----	-3.8000*	
7	-----	17.400	-----	29.067	-----	-----	-11.6667*	
8	-----	17.400	-----	-----	25.667	-----	-8.2667*	
9	-----	17.400	-----	-----	-----	25.600	-8.2000*	
10	-----	-----	21.200	29.067	-----	-----	-7.8667*	
11	-----	-----	21.200	-----	25.667	-----	-4.4667*	
12	-----	-----	21.200	-----	-----	25.600	-4.4000*	
13	-----	-----	-----	29.067	25.667	-----	3.4000*	
14	-----	-----	-----	29.067	-----	25.600	3.4667*	
15	-----	-----	-----	-----	25.667	25.600	.0667	

Table-8 reveal that the mean score of various games (wrestling, weightlifting, Judo, Cricket, Football and Hockey) players of coaching behavior scale of dimension wise mean value of wrestling (21.933) weightlifting (17.400), Judo (21.200), Cricket (29.067), Football (25.667), Hockey (25.600), were found superior to wrestling mean value hence it is concluded that there is significant difference between wrestling (21.933) and weightlifting (17.400), MD value (4.5333*) is less than CD (2.67) value. There was no significance difference between wrestling (21.933) and Judo (21.200), obtained mean difference value (MD) (.7333), which was less than the critical difference value (CD) (2.67). And between wrestling (21.933) and Cricket (29.067), Football (25.667), Hockey (25.600), obtained mean difference value (MD) (7.1333, -3.7333*, -3.6667), which was less than the critical difference value (CD) (2.67).

Weightlifting

It was significant difference between weightlifting (17.400), and among groups Judo (21.200), Cricket (29.067), Football

(25.667), Hockey (25.600), MD value of (-3.8000, 11.6667* - 8.2667, -8.2000*) which was more than critical difference value (CD) (2.67).

Judo

There was significant difference between Judo (21.200), and among groups Cricket (29.067), Football (25.667), Hockey (25.600), MD value of (7.8667* -4.4667*, -4.4000*) which was more than the critical difference value (CD) (2.67).

Cricket

There was no significant difference between Cricket (29.067), and among groups Football (25.667), Hockey (25.600), MD value of (3.4000* 3.4667*) which was more than the critical difference value (CD) (2.67).

Football

There was no significant difference between Football (25.667), and Hockey (25.600), MD value of (.0667) which was less than the critical difference value (CD) (2.67).

Table 8: Multiple competition (LSD with Post Hoc Test) of Team and Individual games of State level Players for the Over All dimension of coaching behavior scale

S. No.	Group mean						MD	CD
	Wrestling	Weightlifting	Judo	Cricket	Football	Hockey		
1	257.667	248.667	-----	-----	-----	-----	9.0000	
2	257.667	-----	246.667	-----	-----	-----	11.0000	
3	257.667	-----	-----	250.333	-----	-----	7.3333	
4	257.667	-----	-----	-----	237.267	-----	20.4000*	
5	257.667	-----	-----	-----	-----	237.133	20.5333*	

6	-----	248.667	246.667	-----	-----	-----	2.0000	9.74
7	-----	248.667	-----	250.333	-----	-----	-1.6667	
8	-----	248.667	-----	-----	237.267	-----	11.4000	
9	-----	248.667	-----	-----	-----	237.133	11.5333	
10	-----	-----	246.667	250.333	-----	-----	-3.6667	
11	-----	-----	246.667	-----	237.267	-----	9.4000	
12	-----	-----	246.667	-----	-----	237.133	9.5333	
13	-----	-----	-----	250.333	237.267	-----	13.0667*	
14	-----	-----	-----	250.333	-----	237.133	13.2000*	
15	-----	-----	-----	-----	237.267	237.133	.1333	

Table-9 reveal that the mean score of various games (wrestling, weightlifting, Judo, Cricket, Football and Hockey) players of coaching behavior scale of dimension wise mean value of wrestling (257.667) weightlifting (248.667), Judo (246.667), Cricket (250.333), Football (237.267), Hockey (237.133), were found superior to wrestling mean value hence it is concluded that there is no significant difference between wrestling (257.667) and among groups weightlifting (248.667), Judo (246.667), Cricket (250.333), MD value (9.0000, 11.0000, 7.3333) is less than CD (9.74) value. There was significance difference between wrestling (257.667) and among groups Judo (246.667), Cricket (250.333), Football (237.267), Hockey (237.133), obtained mean difference value (MD) (20.4000, 20.5333*), which was more than the critical difference value (CD) (9.74).

Weightlifting

It was significant difference between weightlifting (248.667), and among groups Judo (21.200), Cricket (29.067), Football (25.667), Hockey (25.600), MD value of (2.0000, -1.6667, 11.4000, 11.5333) which was less than critical difference value (CD) (9.74).

Judo

There was no significant difference between Judo (21.200),

Individual game of Wrestling

and among groups Cricket (29.067), Football (25.667), Hockey (25.600), MD value of (-3.6667, 9.4000, 9.5333) which was more than the critical difference value (CD) (9.74).

Cricket

There was significant difference between Cricket (29.067), and among groups Football (25.667), Hockey (25.600), MD value of (13.0667*, 13.2000*) which was more than the critical difference value (CD) (9.74).

Football

There was no significant difference between Football (25.667), and Hockey (25.600), MD value of (.1333) which was less than the critical difference value (CD) (9.74).

Table 1 Analysis of Variance (ANOVA) for psychological variables like Sports competition anxiety, self-concept and Group-cohesion tribal Kabaddi players for the different level of National, State and District level of Madhya Pradesh.

Independent t-test of perspective of coaching behavioral patterns at different levels between National and State level in various games Players.

Table 9

S. No.	Variables	Groups	M	SD	MD	T	Tab -t
1	Physical Training	National	42.00	4.27	0.533	0.38	1.990
		State	41.46	3.27			
2	Technical Skill	National	49.66	3.35	1.2	1.04	
		State	48.46	2.94			
3	Mental preparation	National	31.13	2.09	0.533	0.78	
		State	30.60	1.59			
4	Goal Setting	National	38.53	2.77	1.93	2.14	
		State	36.60	2.13			
5	Competition Strategies	National	42.86	4.58	0.2	0.12	
		State	42.66	4.09			
6	Personal Reports	National	37.00	3.90	1.06	0.77	
		State	35.93	3.59			
7	Negative Personal Report	National	21.40	4.54	-0.53	-0.32	
		State	21.93	4.39			
8	Overall	National	262.6	12.91	4.93	1.08	
		State	257.6	12.03			

Discussion of Findings

The reason of these differences can be associated with above results this is probably due to the different nature of the physical components training and pre-requisite for students. Number of participation and level of participation. The reason may be attributed that the physically trained student or level of achievements and taken deferent types nutrition food. These results may be due to a small sample of size and other factors such as different types of body, differences in body

composition. These results may be nutrition diet schedule deference. The reason may be Psychological variables like stress, sports competition anxiety, aggression, fear, motivation confidence, attention concentration etc.

Conclusions

According to objectives of the study the following conclusions were drawn:

- There was significance difference Mean score f-value, of

perspective of coaching behaviour patterns at State level in various games with dimension wise dimension of Physical Training, Technical Skill Goal Setting, Competition Strategies, Negative Personal Rapport Overall.

- There was significance difference between Wrestling and Football, Wrestling and Hockey Wrestling and Football, Wrestling and Hockey, Judo and Hockey, Cricket and Hockey for the State level Players for of Physical Training dimension of coaching behaviour scale
- There was significance difference between Wrestling and Cricket, Wrestling and Football, Wrestling and Hockey, Weightlifting and Football, Weightlifting and Hockey, Judo and Football, Judo and Hockey, for the State level Players for of Technical Skill dimension of coaching behaviour scale.
- There was significance difference between Wrestling and Football, Wrestling and Hockey, for the State level Players for of mental preparation dimension of coaching behaviour scale
- There was significance difference between Wrestling and Cricket, Wrestling and Football, Wrestling and Hockey, Weightlifting and Cricket, Weightlifting and Football, Weightlifting and Hockey, for the Goal Setting dimension of coaching behavior scale
- There was significance difference between Wrestling and Football, Wrestling and Hockey, Weightlifting and Football, Weightlifting and Hockey, Cricket and Football for the Competition Strategies dimension of coaching behaviour scale
- There was significance difference between Wrestling and Football, Wrestling and Hockey, for the Personal Report dimension of coaching behaviour scale
- There was significance difference between (Wrestling and weightlifting, Wrestling and Cricket, Wrestling and Football, Wrestling and Hockey) (Between Weightlifting and, Weightlifting and Judo, Weightlifting and Cricket, Weightlifting and Football, Weightlifting and Hockey) (between Judo and Cricket, Judo and Football, Judo and Hockey), (Between Cricket and Football, Cricket and Hockey) for the State level Players of Negative Personal Report dimension of coaching behavior scale.
- There was significance difference between Wrestling and Football, Wrestling and Hockey, Cricket and Football, Football and Hockey for the Over All dimension of coaching behavior scale

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