

# CHAPTER-IV

## DATA ANALYSIS AND INTERPRETATION

### 4.1 Introduction:-

This chapter deals with the analysis of the data. The analysis of the data was undertaken to draw logical inferences concerning the objectives. Data was collected with a view to study the comparison of value-perception and personality-traits of students belonging to nuclear family and joint family. The whole sample was divided into two categories nuclear family and Joint family.

Inferential statistics was used to test the objectives stated in chapter one. The mean and standard deviation were calculated; to describe the results value-perception and personality traits scores, of students nuclear and joint family. The t-Test was used to test the objectives, relating to value-perception and personality traits of students belonging to nuclear and Joint family.

### 4.2 Data Analysis :

#### 4.2.1 Objective –I To find out the value perception of students belonging to nuclear family.

Table 4.2.1(a)

VALUES	FAMILY	N	MEAN	STD .DEVIATION
PATRIOTISM	NUCLEAR FAMILY	50	9.32	.96

COOPERATION	NUCLEAR FAMILY	50	9.82	.56
HONESTY	NUCLEAR FAMILY	50	9.84	.62
RESPONSIBILITY	NUCLEAR FAMILY	50	9.54	.93
TOLERANCE	NUCLEAR FAMILY	50	8.94	1.08
ENVIRONMENTAL PROTECTION	NUCLEAR FAMILY	50	9.56	.93
VALUE TOTAL	NUCLEAR FAMILY	50	56.98	2.57

#### ANALYSIS :-

After Calculation, the means score and Sd of patriotism, co-operation, honesty, responsibility, tolerance, environmental protection was found to be 9.32 & 0.96, 9.82 & 0.56, 9.84 & 0.62, 9.54 & 0.93, 8.94 & 1.08, 9.56 & 0.93 respectively.

INTERPRETATION:- The possible reason for the presence of all the values in nuclear family children could be the absence of extended family members. In modern world there is bad impact of media on the children and they learn the moral and ethical value from whatever they see on TV & hear in the Radio, as a result children often did not respect the parent & teachers. Today is the time/era of value crisis as the values are deflecting fast from the society hence the parents due to their experiences with their own children & at work place, realizes the value of value education. Consequently they try to foster the values like independence, responsibility & self worth in their children. The absence of elder extended family members like

grandparents,often results in the child not learning or becoming aware of values like respect of elders & the aged,saving of possions,respecting reigion,etc.

**4.2.2 Objective :- 2 To find out the value perception of students belonging to Joint family.**

**Table 4.2.2(a)**

	FAMILY	N	MEAN	STD .DEVIATION
PATRIOTISM	JOINT FAMILY	50	9.26	.88
COOPERATION	JOINT FAMILY	50	9.54	1.03
HONESTY	JOINT FAMILY	50	9.68	.79
RESPONSIBILITY	JOINT FAMILY	50	9.10	1.33
TOLERANCE	JOINT FAMILY	50	8.50	1.69
ENVIRONMENTAL PROTECTION	JOINT FAMILY	50	9.30	1.37
VALUE TOTAL	JOINT FAMILY	50	55.36	4.22

**Analysis:-** After calculation, the mean score & SD of patriotism , -Co-operation , Honesty , responsibility , tolerance , environmental protection was found to be 9.26 & 0.88 , 9.54 & 1.03, 9.68 & 0.07 , 9.10 & 1.33 ,8.50 & 1.69 , 9.30 & 1.37 respectively.

**Interpretation:-** The possible reason of the presence of all the values in students of Joint family is the presence of elders which forsters great virtues and values , give restriction and rules to the children for anti social and undesirable tendencies. In Joint family child learns to imitate the good habits of the other family members . Child see that the all family members are co-operative , tolerative , and responsible,hence he/she price to invibe their values through immitation.

**4.2.3 Objective –3 To Identify the Personality Traits of students belonging to Nuclear family**

**Table 4.2.3(a)**

	FAMILY	N	MEAN	STD .DEVIATION
A	NUCLEAR FAMILY	50	12.24	2.39
B	NUCLEAR FAMILY	50	6.94	2.38
C	NUCLEAR FAMILY	50	13.12	2.09
D	NUCLEAR FAMILY	50	7.96	3.08
E	NUCLEAR FAMILY	50	8.06	2.72
F	NUCLEAR FAMILY	50	9.28	2.56

G	NUCLEAR FAMILY	50	12.88	3.59
H	NUCLEAR FAMILY	50	11.54	3.15
I	NUCLEAR FAMILY	50	10.42	2.29
J	NUCLEAR FAMILY	50	8.40	2.36
N	NUCLEAR FAMILY	50	6.74	2.23
O	NUCLEAR FAMILY	50	7.72	2.94
Q3	NUCLEAR FAMILY	50	13.26	3.26
Q4	NUCLEAR FAMILY	50	6.28	2.86

**Analysis:-** After calculation the mean score & SD of each factor of personality traits of nuclear family was found to be 12.24 & 2.39 , 13.12 & 2.09 , 8.06 & 2.72 , 9.28 & 2.56 , 11.54 & 3.15 , 10.42 & 2.29 , 8.40 & 2.36 , 13.26 & 3.26 with respect to factor A , C , E , F , H , I , J and Q3.

**Interpretation:-** The high mean score for factor A , C , E , F , H , I , J and Q3. indicates that the student of Nuclear Family are warm hearted ,outgoing , easy going , participating (A); affected by feelings , emotionally less stable , easily upset , changeable (C); assertive , aggressive , competitive , stubborn(E), enthusiastic , needless, happy-go-lucky (F), adventurous , thick –skinned , socially bold (H); tender minded , sensitive , dependent , over protected (I); circumspect

individualism , reflective , internally restrained (J); and high strength of Self sentiment, controlled ,socially precise , compulsive , following self image(Q3).

The possible reason could be that in the absence of elders, they are independent and participating in the many adventurous activities outside family and school . Due to a lot of responsibility they are socially precise, assertive & aggressive . In nuclear family , the parents cares and worries for children so they are over protected, sensitive , emotionally less stable and outgoing. Another reason could be in nuclear families parents try to compensate for the lack of time through material gifts.

**4.2.4Objective –4 To Identify the Personality Traits of students belonging to Joint family**

**Table 4.2.4(a)**

	FAMILY	N	MEAN	STD .DEVIATION
A	JOINT FAMILY	50	11.80	2.01
B	JOINT FAMILY	50	7.22	3.13
C	JOINT FAMILY	50	11.24	3.01
D	JOINT FAMILY	50	7.42	2.29
E	JOINT FAMILY	50	7.16	2.52
F	JOINT FAMILY	50	8.52	2.36

G	JOINT FAMILY	50	13.14	3.31
H	JOINT FAMILY	50	10.72	3.13
I	JOINT FAMILY	50	9.60	3.00
J	JOINT FAMILY	50	7.90	2.19
N	JOINT FAMILY	50	7.76	2.12
O	JOINT FAMILY	50	7.48	2.30
Q3	JOINT FAMILY	50	12.00	3.13
Q4	JOINT FAMILY	50	7.32	3.34

**Analysis:-** The high mean score and SD of factors of students belonging to Joint family was found to be 7.22 & 3.13 , 7.42 & 2.29 , 13.14 & 3.31 , 7.76 & 2.12 , 7.48 & 2.30 , 7.32 & 3.34, with respect to factor B,D,G,N, O & Q4. respectively.

**Interpretation:-** The high mean of score of factors indicates that the students are bright, fast-learning , insightful(B); excitable , impatient , demanding, overactive , unrestrained (D); conscientious , persistent , moralistic, staid (G); Astute , artful (N); apprehensive , self-reproaching, insecure , worrying , troubled (O); tense, frustrated, driven, overwrought & fretful(Q4) . The possible reason for above characteristics in a child belonging to joint family could be ,this child sees many things and various problems in & out of the family which makes him / her fast learner and insightful .



He /she depend on his/her elders and other family members therefore, they are demanding and impatient . The elders gives more instructions to children therefore after some time they donot follow their rules and instructions and becomes unrestrained and overactive . The elder member always follow their traditions and culture and teaches the children what is right? And what is wrong ? This also fosters great virtues and values in the children. By this children adopts goods things and avoid bad things . So they are conscientious and moralistic . In the presence of some unhealthy relationship and competitive feelings he/she may be frustrated and tense.

**4.2.5 Objective5 - To compare the Personality –traits of students belonging to Joint and Nuclear Family.**

**Table 4.2.5(a)**

FACTOR	FAMILY	TOTAL NO OF SAMPLE	MEAN	STD .DEVIATION	t-Value
A	NUCLEAR FAMILY	100	12.24	2.39	0.997
	JOINT FAMILY		11.80	2.01	
B	NUCLEAR FAMILY	100	6.94	2.38	-0.504
	JOINT FAMILY		7.22	3.13	
C	NUCLEAR FAMILY	100	13.12	2.09	3.627**
	JOINT FAMILY		11.24	3.01	
D	NUCLEAR FAMILY	100	7.96	3.08	0.996
	JOINT FAMILY		7.42	2.29	

E	NUCLEAR FAMILY	100	8.06	2.72	1.717*
	JOINT FAMILY		7.16	2.52	
F	NUCLEAR FAMILY	100	9.28	2.56	1.545
	JOINT FAMILY		8.52	2.36	
G	NUCLEAR FAMILY	100	12.88	3.59	-0.377
	JOINT FAMILY		13.14	3.31	
H	NUCLEAR FAMILY	100	11.54	3.15	1.306
	JOINT FAMILY		10.72	3.13	
I	NUCLEAR FAMILY	100	10.42	2.29	1.536
	JOINT FAMILY		9.60	3.00	
J	NUCLEAR FAMILY	100	8.40	2.36	1.100
	JOINT FAMILY		7.90	2.19	
N	NUCLEAR FAMILY	100	6.74	2.23	-2.342*
	JOINT FAMILY		7.76	2.12	
O	NUCLEAR FAMILY	100	7.72	2.94	0.455
	JOINT FAMILY		7.48	2.30	
Q3	NUCLEAR FAMILY	100	13.26	3.26	1.973*
	JOINT FAMILY		12.00	3.13	
Q4	NUCLEAR FAMILY	100	6.28	2.86	-1.673
	JOINT FAMILY		7.32	3.34	

**Analysis :-** After Calculation mean score of factor C,E,N,& Q3, were 13.12 & 11.24, 8.06 & 7.16, 6.74 & 7.76 , 13.26 & 12.06 respectively . SD were 2.09 & 3.01, 2.72 & 2.52, 2.73 & 2.12, 3.26 & 3.13 respectively . The calculated t-value of these factors are 3.627 , 1.717 , 2.342, & 1.973 at 0.05 & 0.01 level. The table value was found to be 1.98 & 2.83 at 0.05 and 0.01 respectively. This indicates that the

calculated value is more than the table value , therefore the difference of means is significant at both level . Mean scores for rest of the factors is not significant at both level.

**Interpretation:-** The significant difference in means of students of nuclear and joint family , for factor C,E,N and Q3 signifies that these children differ from each other on the above mentioned factors , and the difference is due to the family environment and is present not by chance.

The factor C denotes qualities like emotional stability, maturity , easily affected by feelings etc. The significant difference of mean found in the children belonging to Joint& Nuclear families , indicates that , the children belonging to joint family are easily affected by feeling and are emotionally less stable., easily upset and changeable , where as the children belonging to nuclear family are emotionally more stable, mature, calm and are able to face problems easily.

The possible reason could be that in a nuclear family the child lives only with parents and due to the lack of support from extended elder members , they realize responsibility early and thereby become mature early . In majority of nuclear families both the partners are working , therefore their children learn to face new problem independently and does not get easily affected by day to day problem situations i.e. they are emotionally stable and calm.

But the children of joint family lives with the extended family members of various age . They daily listen to the arguments of other members and perceive reality through their eyes and ears . This makes them emotionally unstable as a result they become dependent on others for every major or minor decisions of their life.

The significant difference in mean for the factor E indicates that the children belonging to nuclear family are assertive, aggressive, competitive, stubborn and independent minded as compared to the children of joint family which are obedient, mild, easily led, docile and accommodating.

The possible reason for these difference in the personality of children of nuclear family and joint family could be due to the independent nature of nuclear family children. Due to which they tend to be more assertive, aggressive, stubborn and have the characteristics of competition, whereas the children of joint family are obedient and docile i.e. they respect the elders and follow their rule. This makes the children of Joint family accommodating and adjusting with the other members of the family, and society in general.

The significant difference in the mean for the factor N signifies that the children belonging to nuclear family are natural, unpretentious and forth right. This may be due to independent thinking and working which makes them natural, rather than artificial. On the other hand the children of joint family as indicated by the difference for the factor N are shrewd /astute and artful, insightful, regarding others and self, ambitious, socially aware, and smart. It may be due to witnessing the quarrels among elders in the family and also due to experiencing feeling of competition among stability for elderly love and protection. In the Joint family child acquires such important qualities as sincerity sympathy, self-submission & realizing responsibility towards society etc which makes the child socially aware.

The significant difference in the mean for the factor Q3 presents that the children belonging to nuclear family are controlled have exacting will power are socially precise, compulsive and following self image which may be due to early realization

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responsibility for the self and family which gives them early awareness that they are a part of the society.

On the other hand the children belonging to joint family are uncontrolled, follows sudden urges and are a bit careless . It may be due to the dependence of the child , to a large extent on the decisions(for his/her life),which are taken by elders in the family This makes the child a “little baby” throughout life and he/she feels less able to make independent decisions .

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4.2.6 Objective –6 - To compare the Value-perception of students belonging to Joint and Nuclear Family.

Table 4.2.6(a)

VALUE	FAMILY	TOTAL NO OF SAMPLE	MEAN	STD .DEVIAT ION	t-value
PATRIOTISM	NUCLEAR FAMILY	100	9.32	.96	.327
	JOINT FAMILY		9.26	.88	
COOPERATION	NUCLEAR FAMILY	100	9.82	.56	1.683
	JOINT FAMILY		9.54	1.03	
HONESTY	NUCLEAR FAMILY	100	9.84	.62	1.125
	JOINT FAMILY		9.68	.79	
RESPONSIBILITY	NUCLEAR FAMILY	100	9.54	.93	1.918
	JOINT FAMILY		9.10	1.33	
TOLERANCE	NUCLEAR FAMILY	100	8.94	1.08	1.550
	JOINT FAMILY		8.50	1.69	
ENVIRONMENTAL PROTECTION	NUCLEAR FAMILY	100	9.56	.93	1.108
	JOINT FAMILY		9.30	1.37	

Analysis :- After calculation , the mean score of values responsibility was 9.54 & 9.10 , S.D was 0.93 & 1.33, and t-value was 1.918 which is significant at 0.05 level. The table value at of df 98 was 1.98 at 0.05 level . This indicates that the calculated value is more than the table value, Therefore the difference of mean is significant.

**Interpretation :-** Significant difference of mean in both the family for values was not by chance. It may be due to the effect of both family (Nuclear family / joint family) on the value development / perception of children .

The difference in the mean score indicates that the children belonging to nuclear family was more value aware with respect to the value “responsibility” than the children of joint family . The reason of this may be , in Joint family, the elder member cares and protects, the child . The child themselves is not worried about the responsibilities of the house and is free from the day to day problem situations .

But in nuclear family , in absence of elder member , the child feels very responsible right from an early age . In families where both the parents are working , the child is more mature and independent. He is made responsible for his study and school work and other day to day activities.

The other values studied are patriotism ,co-operation, honesty, tolerance, and environmental protection.

The difference in mean was not found significant . This indicates that these values are equally nurtured in both the families.

4.2.7 Objective -7 :- To find out the correlation between personality traits and value perception of children

TABLE 4.2.7 (a)

	PATRIOTISM	CO- OPERATION	HONESTY	RESPONSIBILITY	TOLERANCE	ENVIRONMENTAL PROTECTION
A	-.02 .821	.102 .314	.125 .215	.127 .206	.255* .010	-.04 .676
B	.095 .349	.072 .477	.025 .804	.149 .139	.276** .005	.107 .288
C	.116 .251	.170 .091	.100 .323	.248* .013	.160 .113	.182 .069
D	-.09 .396	-.21* .038	-.19 .065	-.05 .588	-.14 .165	-.12 .224
E	-.11 .288	-.06 .545	-.16 .118	-.07 .505	.038 .710	-.02 .867
F	.058 .059	.004 .969	.00 .982	.057 .574	.072 .477	-.04 .663
G	.102 .312	.015 .881	.100 .322	.007 .947	.132 .190	-.02 .816
H	-.09 .353	.153 .128	-.04 .726	.049 .627	.237* .018	-.10 .310



I	-0.01 .958	-0.09 .383	-0.05 .648	-0.03 .742	-0.05 .590	-0.08 .439
J	.032 .750	.004 .967	.079 .438	.001 .994	.004 .971	.119 .237
N	-0.17 .101	-0.18 .076	-0.24* .018	-0.12 .216	-0.10 .300	-0.09 .364
O	-0.11 .271	-0.13 .207	-0.07 .468	-0.089 .381	-0.02 .828	-0.01 .928
Q3	.098 .332	.175 .081	.237* .018	.134 .185	.165 .101	-0.01 .894
Q4	-0.11 .261	-0.17 .090	-0.07 .508	-0.14 .173	-0.13 .206	-0.18 .074

Note:- \* Indicates significant at the 0.05 Level

\*\* Indicates significant at the 0.01 Level .

#### 4.2.7 (I) RELATIONSHIP OF FACTOR "A" WITH TOLERANCE:-

**Analysis:-** The correlation value for factor A with respect to the values patriotism, co-operation, honesty, responsibility, tolerance, environmental protection was found to be 0.02,0.102,0.125,0.127,0.255,& 0.04 for Nuclear family respectively. These values shows that there is a significant correlation between factor A(+) and tolerance at 0.05 level .

**Interpretation :-** This indicates that the students who are warm hearted, outgoing, easygoing and participating are more tolerative. The possible reason could be that the person of factor(A+) enjoys social recognition and is more tolerant of difficult people. Due to good nature ,easy going ,outgoing , and participating they interacts with environment/ People and less disturbed by criticisms .

#### 4.2.7 (II) RELATION SHIP OF FACTOR" B " WITH THE TOLERANCE :-

**Analysis:-** The Correlation value for factor B with respect to patriotism , co-operation honesty responsibility , tolerance and environmental protection was found to be 0.095,0.072,0.025,0.149,0.276 & 0.107 respectively. It show that the factor B is significantly correlated with the tolerance at 0.01 level.

**Interpretation:-** The significant of factor -B(+) with tolerance indicates that the student who are bright, intelligent , having high general mental. Capacity are more tolreative. The possible reason would be that the high intelligent people have high mental capacity and they analyses the thinks /problems of different people. And due to insightful nature, they internalizes his our feeling . Therefore more tolerative.

#### 4.2.7 (III) RELATION OF FACTOR –“D” WITH CO-OPERATION:-

Analysis :- The correlation value for factor D with respect to patriotism , co-operation, honesty, responsibility, tolerance and environmental protection was found to be  $-0.09$ ,  $-0.21$ ,  $-0.19$ ,  $-0.5$ ,  $-0.14$ , &  $-0.12$  respectively . It shows that factor D is correlated with the co-operation at 0.05 level.

Interpretation:- The significant correlation of factor D(-) with co-operation indicates that the students who are undemonstrative , deliberate, inclusive, stodgy are more co-operative . The possible reason of this would be the students of factor D(-) are not easily jealous and deliberate. They understand the difficulty of people and co-operates without hesitation

#### 4.2.7 (IV) RELATIONSHIP OF FACTOR “C” WITH THE RESPONSIBILITY:-

Analysis:- The correlation value for factor C with respect to patriotism, co-operation honesty responsibility, tolerance and environmental protection was found to be  $0.116$ ,  $0.170$ ,  $0.100$ ,  $0.248$ ,  $0.160$ , &  $0.182$  respectively. It indicates that the factor C is significantly correlated with the responsibility at 0.05 level.

Interpretation:- The significant correlation of factor C(+) with responsibility shows that the student who are emotionally stable, mature, faces reality and calm are more responsible. The possible reason could be that this type of person does not lives in past and faces the reality by responsibly manner using past experiences.

#### 4.2.7. (V) RELATIONSHIP OF FACTOR” H” WITH THE TOLERANCE :-

Analysis:- The correlation value for factor-H with respect to patriotism , co-operation honesty, responsibility ,tolerance and environmental protection was found to be  $-0.09, 0.153, -0.4, 0.49, 0.237, -0.10$  respectively. It indicates that the factor-H is significantly correlated with the tolerance at 0.05 level.

Interpretation:- The significant correlation of factor H(+) with tolerance indicates that the students who are adventurous , thick skinned & socially bold are more tolerative . It may be due to friendly and impulsive nature of person.

#### 4.2.7 (VI) RELATIONSHIP OF FACTOR” N” WITH THE HONESTY:-

Analysis:- The correlation value for factor N with respect to patriotism , co-operation ,honesty, responsibility, tolerance and environmental protection was found to be  $-0.17, -0.18, 0.24, -0.12, -0.10, & -0.09$  respectively . This shows that the factor N is significantly correlated with the honesty at 0.05 levels.

Interpretation:- The significant correlation of factor N(-) with honesty indicates that the students who are forthright, unpretentious one honest in his life. It may be due to the nature of unpretentious /unpretend they are honest.



#### 4.2.7 (VII) RELATIONSHIP OF FACTOR "Q3" WITH THE HONESTY :-

**Analysis:-** The correlation value for factor Q3 w.r.t. to patriotism, co-operation honesty, responsibility , tolerance and environmental protection was found to 0.098, 0.175,0.237 ,0.134,0.165 and 0.01 respectively . It indicates that the factor Q3(+) is significantly correlated with the honesty at 0.05 level.

**Interpretation:-** The significant correlation of factor Q3, with honesty indicates that the students who are controlled, compulsive, exacting will power socially precise, following self image are honest. The possible reason could be , the independent thinking , ability to exact will power, good control over behavior and thinking, which makes there children's more honest as compared to the rest . Moreover , their controlled , compulsive and following self image, nature also makes them more critical and analytical of the happenings around them.

#### 4.3 DISCUSSION:-

The above analysis and interpretation indicates the value perception of children belonging to nuclear and joint family was found to be same except responsibility . Hence, this data analysis breaks the myth that children belonging to joint family are more value oriented.

On the other hand the children of nuclear and joint family have difference in personality traits . In the students of nuclear family the factor A,C,E,F,H ,I , J & Q3 were dominating whereas in the students of joint family factors B,D,G,N,O,& Q4 were dominating.

On the basis of data analysis we can say that neither the joint family nor the nuclear family is better as far as the value –perception of children is concerned . The children belonging to both the families are found to be equally aware of the values studied , though the children belonging to nuclear family are tend to be slightly more responsible than their counterparts.