CHAPTER-IV

INTERPRETATION OF DATA AND RESULTS OF THE STUDY

The Results of the Study have been presented in Table 1.1 to 1.6.

Table 1.1
Mean scores, standard deviations and t-ratio of Neuroticism of personality Among Inter University and State Level Male Volleyball Players.

<table>
<thead>
<tr>
<th>Male Volleyball Players</th>
<th>Number</th>
<th>Mean Scores</th>
<th>Standard Deviation</th>
<th>t-ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inter University Level</td>
<td>100</td>
<td>13.3700</td>
<td>3.19929</td>
<td>317NS</td>
</tr>
<tr>
<td>State Level</td>
<td>100</td>
<td>13.2400</td>
<td>2.57070</td>
<td></td>
</tr>
</tbody>
</table>

NS= Not Significant.

As per table 1.1 shows that the mean scores, standard deviation and t-ratio of study of personality with respect to neuroticism of Inter University and State Level Male Volleyball players.

With regards to neuroticism of Inter University and State Level Male volleyball players they have obtained the mean values of 13.37 and 13.24 respectively, which are given in table 1.1 reveals that the significance difference not was found out in (t=.317) personality study with respect to neuroticism of Inter University and State Level Male volleyball players. Inter university volleyball player's having not more neurotic tendency as compared to state level male volleyball players,
Which means that Inter university Male volleyball players incur significantly not differ neurotic tendency.

Mean scores and standard deviation of neuroticism of Inter University and State Level Male volleyball players are presented graphically in figure-1.

**Figure-1:**

*Showing means scores and standard deviations of Neuroticism of Personality study with respect to Inter University and State Level Male Volleyball players.*

![Graph showing means scores and standard deviations of Neuroticism of Personality study with respect to Inter University and State Level Male Volleyball players.]

**Table 1.2**

<table>
<thead>
<tr>
<th></th>
<th>Inter University Level</th>
<th>State Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>mean</td>
<td>13.37</td>
<td>13.24</td>
</tr>
<tr>
<td>sd</td>
<td>3.19</td>
<td>2.57</td>
</tr>
<tr>
<td>t-Ratio</td>
<td>0.317</td>
<td>0.317</td>
</tr>
</tbody>
</table>
Mean scores, standard deviations and t-ratio of Extroversion of personality Among Inter University and State Level Male Volleyball Players.

<table>
<thead>
<tr>
<th>Male Volleyball Players</th>
<th>Number</th>
<th>Mean Scores</th>
<th>Standard Deviation</th>
<th>t-ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inter University Level</td>
<td>100</td>
<td>12.3500</td>
<td>2.74276</td>
<td>2.513NS</td>
</tr>
<tr>
<td>State Level</td>
<td>100</td>
<td>11.4700</td>
<td>2.17634</td>
<td></td>
</tr>
</tbody>
</table>

NS= Not Significant.

As per table 1.2 shows that the mean scores, standard deviation and t-ratio of study of personality with respect to Extraversion of Inter University and State Level Male Volleyball players.

With regards to Extraversion of Inter University and State Level Male volleyball players they have obtained the mean values of 13.35 and 11.47 respectively, which are given in table 1.2 reveals that the significance difference not was found out in (t=2.513) personality study with respect to Extra version of Inter University and State Level Male volleyball players.

Inter university volleyball player's having not more extrovert tendency as compared to state level male volleyball players.

Which means that Inter university Male volleyball players incur significantly not differ extrovert tendency.

Mean scores and standard deviation of Extra version of Inter University and State Level Male volleyball players are presented graphically
Figure-2:
Showing means scores and standard deviations of Extraversion of Personality study with respect to Inter University and State Level Male Volleyball players.

Table 1.3
Mean scores, standard deviations and t-ratio of Lie Scale of personality Among Inter University and State Level Male Volleyball Players.

<table>
<thead>
<tr>
<th>Male Volleyball Players</th>
<th>Number</th>
<th>Mean Scores</th>
<th>Standard Deviation</th>
<th>t-ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inter University Level</td>
<td>100</td>
<td>5.4800</td>
<td>1.82286</td>
<td>9.074*</td>
</tr>
<tr>
<td>State Level</td>
<td>100</td>
<td>3.2300</td>
<td>1.68288</td>
<td></td>
</tr>
</tbody>
</table>

*Significant at 0.01 Level

As per table 1.3 shows that the mean scores, standard deviation and t-ratio of study of personality with respect to Lie Scale of Inter University and State Level Male Volleyball players.

With regards to Lie Scale of Inter University and State Level Male volleyball players they have obtained the mean values of 5.48 and 3.23 respectively, which are given in table 1.3 reveals that the significance difference not was found out in (t=9.074 P<.01) personality study with respect to Lie Scale of Inter University and State Level Male volleyball players. Inter university volleyball player's having not more liar tendency as compared to state level male volleyball players, which means that Inter university Male volleyball players incur significantly less liar tendency. Mean scores and standard deviation of Lie Scale of Inter University and State Level Male volleyball players are presented graphically in figure-3.

**Figure-3:**
Showing means scores and standard deviations of Lie Scale of Personality study with respect to Inter University and State Level Male Volleyball players.

Table 1.4

<table>
<thead>
<tr>
<th></th>
<th>Inter University Level</th>
<th>State Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mean</td>
<td>5.48</td>
<td>3.23</td>
</tr>
<tr>
<td>SD</td>
<td>1.82</td>
<td>1.68</td>
</tr>
<tr>
<td>t-Ratio</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Table 1.4
Mean scores, standard deviations and t-ratio of Neuroticism of personality Among Inter University and State Level Female Volleyball Players.

<table>
<thead>
<tr>
<th>Female Volleyball Players</th>
<th>Number</th>
<th>Mean Scores</th>
<th>Standard Deviation</th>
<th>t-ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inter University Level</td>
<td>100</td>
<td>13.5500</td>
<td>3.06948</td>
<td>3.806 NS</td>
</tr>
<tr>
<td>State Level</td>
<td>100</td>
<td>15.0800</td>
<td>2.59635</td>
<td></td>
</tr>
</tbody>
</table>

NS=Not Significant.

As per table 1.4 shows that the mean scores, standard deviation and t-ratio of study of personality with respect to neuroticism of Inter University and State Level Female Volleyball players.

With regards to neuroticism of Inter University and State Level Female volleyball players they have obtained the mean values of 13.55 and 15.08 respectively, which are given in table 1.4 reveals that the significance difference not was found out in (t=3.806) personality study with respect to neuroticism of Inter University and State Level Male volleyball players.

Inter university volleyball player's having not more neurotic tendency as compared to state level female volleyball players, which means that Inter university Female volleyball players incur significantly not differ neurotic tendency.

Mean scores and standard deviation of neuroticism of Inter University and State Level Female volleyball players are presented graphically
Figure-4:
Showing means scores and standard deviations of Neuroticism of Personality study with respect to Inter University and State Level Female Volleyball players.

Table 1.5
Mean scores, standard deviations and t-ratio of Extroversion of personality Among Inter University and State Level Female Volleyball Players.

<table>
<thead>
<tr>
<th>Female Volleyball Players</th>
<th>Number</th>
<th>Mean Scores</th>
<th>Standard Deviation</th>
<th>t-ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inter University Level</td>
<td>100</td>
<td>11.5300</td>
<td>2.29384</td>
<td>1.534 NS</td>
</tr>
<tr>
<td>State Level</td>
<td>100</td>
<td>13.2900</td>
<td>11.24322</td>
<td></td>
</tr>
</tbody>
</table>

NS= Not Significant

As per table 1.5 shows that the mean scores, standard deviation and t-ratio of study of personality with respect to Extraversion of Inter University and State Level female Volleyball players. With regards to Extraversion of Inter University and State Level female volleyball players they have obtained the mean values of 11.53 and 13.29 respectively, which are given in table 1.5 reveals that the significance difference not was found out in (t=1.534) personality study with respect to Extraversion of Inter University and State Level female volleyball players. Inter university volleyball player's having not more extrovert tendency as compared to state level female volleyball players, which means that Inter university female volleyball players incur significantly not differ extrovert tendency.

Mean scores and standard deviation of Extraversion of Inter University and State Level Female volleyball players are presented graphically in figure-5.

**Figure-5:**
Showing means scores and standard deviations of Extraversion of Personality study with respect to Inter University and State Level Female Volleyball players.

Table 1.6
Mean scores, standard deviations and t-ratio of Lie Scale of personality Among Inter University and State Level Female Volleyball Players.

<table>
<thead>
<tr>
<th>Female Volleyball Players</th>
<th>Number</th>
<th>Mean Scores</th>
<th>Standard Deviation</th>
<th>t-ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inter University Level</td>
<td>100</td>
<td>4.4700</td>
<td>2.04720</td>
<td>6.079*</td>
</tr>
<tr>
<td>State Level</td>
<td>100</td>
<td>3.0000</td>
<td>1.28708</td>
<td></td>
</tr>
</tbody>
</table>

*Significant at 0.01 Level

As per table 1.6 shows that the mean scores, standard deviation and t-ratio of study of personality with respect to Lie Scale of Inter University and State Level Female Volleyball players.

With regards to Lie Scale of Inter University and State Level Female volleyball players they have obtained the mean values of 4.47 and 3.00 respectively, which are given in table 1.6 reveals that the significance difference not was found out in (t=6.079 P<.01) personality study with respect to Lie Scale of Inter University and State Level Female volleyball players. Inter university volleyball player's having not more liar tendency as compared to state level female volleyball players, which means that Inter university Female volleyball players incur significantly less liar tendency. Mean scores and standard deviation of Lie Scale of Inter University and State Level Female volleyball players are presented graphically in figure-6.

**Figure-6:**
Showing means scores and standard deviations of Lie Scale of Personality study with respect to Inter University and State Level Female Volleyball players.

RESULTS:
1. Inter University Male Volleyball Players have no significantly more Neurotic tendency than the State Level Male Volleyball Players.
2. Inter University Female Volleyball Players have no significantly more Neurotic tendency than the State Level Female Volleyball Players.
3. Interuniversity 22-25 year Volleyball Players have no significantly more Neurotic tendency than the State Level 18-21 year Volleyball Players.
4. Inter University 22-25 years Volleyball Players have no significantly more Neurotic tendency than the State Level 22-25 years Volleyball Players.
5. Inter University Male Volleyball Players have no significantly more Extravert tendency than the State Level Male Volleyball Players.
6. Inter University Female Volleyball Players have no significantly more Extravert tendency than the State Level Female Volleyball Players.
7. Inter University 18-21 years Volleyball Players has no significantly more Extravert tendency than the Intercollegiate 18-21 years Volleyball Players.
8. Inter University 22-25 years Volleyball Players has no significantly more Extravert tendency than the State Level 22-25 years Volleyball Players.
9. State Level Male Volleyball Players have significantly more Lie Scale than the Inter University Male Volleyball Players.
10. State Level Female Volleyball Players have no significantly more Lie Scale than the Inter University Female Volleyball Players.

11. State Level 18-21 years Volleyball Players has no significantly more Lie Scale than the Inter University 18-21 years Volleyball Players.

12. State Level 22-25 years Volleyball Players has no significantly more Lie Scale than the Inter University 22-25 years Volleyball Players.

13. Interuniversity and State level players’ personality difference with respect to Lie Scale between interuniversity and state level volleyball players.

14. Inter University female volleyball players incur significantly less neurotic tendency as compared to State Level volleyball players.

15. Inter University female volleyball players incur significantly less extrovert tendency as compared to State Level volleyball players.

Discussion of findings:

The Present Study deals with the comparison of Personality Study Among Inter University and State level Male and Female Volleyball players with respect to neuroticism, extraversion and lie scale, aged between 22 to 25 y. Inter university and 18 to 21 y. State Level volleyball players. The data was collected with the help of questionnaires prepared by Eysenck (E.P.I.) revised version.

Eysenck Personality Inventory (E.P.I.).Eysenck developed a very influential modal of personality. Based on the results of the factor analyses of responses on personality questionnaires he identified three dimensions of personality: Extraversion, Neuroticism, and Lie scale.
It had been hypothesized that there would be no significant difference in study of personality with respect to Neuroticism between Inter University and State Level Male volleyball players. The results of the study (Table 1.1) reveals the existence of statistically significant difference of personality study with respect to Neuroticism was found (t=.317 NS) between Inter University and State Level Male Volleyball players.

Inter University Male volleyball players were found to have got more Neuroticism tendency as compared to State Level volleyball players. Which means that State Level Volleyball players incur not differ Neurotic tendency as compared to their counter parts. Thus, the hypothesis of the study was not accepted.

The Second hypothesis of the study that there would be no significant difference of personality Study with respect to Extraversion Inter University and State Level volleyball players. Table 1.2 reveals the existence of statistically significant difference of Personality Study with respect to Extraversion was found (t=2.513 NS) between Inter University and State Level volleyball players. Which means that Inter University Male Volleyball Players incur not differ Extravert tendency as compared to their counter parts.

This may be due to the age differences of both Male volleyball players. Thus, the results have failed to reject the second hypothesis.

It had been hypothesized that there would be no significant difference of personality study with respect to Lie Scale between Inter University and State Level Male volleyball players. The results of the study revealed that (Table-1.3) statistically significant difference was found (t=9.074 P<.01) between Inter University and State Level Male
volleyball players. Inter University Male volleyball a player was found to have got more liars as compared to State Level Male and Female Volleyball players. State Level Male Volleyball players incur significantly less liar tendency as compared to their counterparts. This may be due to the not more maturity having State Level Male volleyball players. Thus the hypothesis was not accepted.

It had been hypothesized that there would be no significant difference study of personality with respect to Neuroticism between Inter University and State Level Female volleyball players. The results of the study (Table 1.4) reveals the existence of statistically significant difference of personality study with respect to Neuroticism was found (t=3.806 NS) between Inter University and State Level Female Volleyball players.

Inter University female volleyball player was found to have got more Neuroticism tendency as compared to State Level volleyball players. Which means that State Level Volleyball players incur significantly not differ Neurotic tendency as compared to their counterparts. Thus, the hypothesis of the study was not accepted.

The Second hypothesis of the study that there would be no significant difference of personality Study with respect to Extraversion Inter University and State Level volleyball players. Table 1.5 reveals the existence of statistically significant difference of Personality Study with respect to Extraversion was found (t=1.534 NS) between Inter University and State Level volleyball players. Which means that Inter University Female Volleyball Players incur not differ Extravert tendency as compared to their counter parts. This may be due to the age
differences of both Female volleyball players. Thus, the results have
failed to reject the second hypothesis.

It had been hypothesized that there would be no significant
difference of personality study with respect to Lie Scale between Inter
University and State Level Female volleyball players. The results of the
study revealed that (Table-1.6) statistically significant difference was
found (t=6.079 P<.01) between Inter University and State Level Female
volleyball players. Inter University Female volleyball a player was found
to have got not more liar as compared to State Level Male and Female
Volleyball players. State Level Female Volleyball players incur
significantly less liar tendency as compared to their counterparts. This
may be due to the more maturity having State Level Female volleyball
players. Thus the hypothesis was not accepted.