Chapter – III

Methodology

Sample:

The present study was 400 samples were selected from Maharashtra state. Among them 200 subjects were indoor game players 200 outdoor game players. The age range of players was 18-25 years. Non-probability Quota sampling was used for present study.

Sample Design

<table>
<thead>
<tr>
<th>Total Sample (400)</th>
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</thead>
<tbody>
<tr>
<td><strong>Indoor Game Players (200)</strong></td>
</tr>
<tr>
<td>Male (100)</td>
</tr>
<tr>
<td>18-21y (50)</td>
</tr>
<tr>
<td><strong>Outdoor Game Players (200)</strong></td>
</tr>
<tr>
<td>Male (100)</td>
</tr>
<tr>
<td>18-21y (50)</td>
</tr>
</tbody>
</table>

Tools:

Pilot Study:

1) Multi-Assessment Personality Series (MAPs)

For the present study MAPs test was used. In MAPs for the present study only 4 dimensions (Adaptability, Boldness, Competition and Leadership) was used for the assessment of personality of sportsmen and non-sportsmen.
For the pilot study 120 samples of sportsmen and non-sportsmen was consider. MAPs was administered to them twicely for the purpose of reliability analysis for computing the reliability of translated (Marathi MAPs) test-retest reliability and inter-item consistency method (crown Back Alpha) the reliability coefficient for MAPs was .79 to .82 obtained. By applying the process of psychometric the test was found to be highly reliable in this way the pilot study was done for the present study.

2) Aggression Scale (A-Scale)

For the present study Aggression scale was used. This scale was used for aggression of sportsmen and non-sportsmen. For the pilot study 120 samples of sportsmen and non-sportsmen was consider. Aggression scale was administered to them twice for the purpose of reliability analysis for computing the reliability of translated (Marathi A-Scale) test-retest reliability and inter-item consistency method (crown Back Alpha) the reliability coefficient for A-Scale was .81 to .87 obtained. By applying the process of psychometric the test was found to be highly reliable in this way the pilot study was done for the present study.

**Procedures of data collection**

Two tests administered individuals as well as a small group. While collecting the data for the study the later approaches was adopted. The subjects were called in a small group of 20 to 25 subjects and there seating arrangements was made in a classroom. Prior to administration of test, through informal talk appropriate rapport form. Following the instructions and procedure suggested by the author of the tests. The test was administered and a field copy of each test was collected. Following the same procedure, the whole data were collected.
Variables of the study:

**Independent Variable:**

4) Game Players  
   a) Indoor  
   b) Outdoor

5) Sex  
   a) Male  
   b) Female

6) Age  
   a) 18-21 year  
   b) 22-25 year

**Dependent Variable:**

4) Aggression

5) Boldness

6) Leadership

Research Design and Procedure used:

2x2x2 Balanced Factorial Designs was used.

<table>
<thead>
<tr>
<th>A = Game Player</th>
<th>B = Gender</th>
<th>C = Age</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1 = Indoor</td>
<td>B1 = Male</td>
<td>C1 = 18-21 y</td>
</tr>
<tr>
<td>A2 = Outdoor</td>
<td>B2 = Female</td>
<td>C2 = 22-25 y</td>
</tr>
</tbody>
</table>

At the first permission from various colleges and district sports authority centers were taken then actual process of data collection was started. From the various sports departments and college at the first 400 college students were started apart from them 200 indoor game players and 200 outdoor game players was divided into two groups for the final study 100 game players belonging to male game players and 100 game
players belonging to female game players among them 50 game players belonging to 18-21 years game players and 50 game players belonging to 22-25 years game players.

For the final sample following psychology test were administered the response told the sample that the information taken from them was kept confidential and it is used for the scientific purpose only. In this was data was collected for the research purpose. Non-probability Quota sampling procedure was used for the selecting the sampling.