Chapter - III

Methodology

Aim of the Present study:

1) To examine the personality characteristics of national level kho-kho players and state level kho-kho players.

2) To examine the endurance of national level kho-kho players and state level kho-kho players.

Hypotheses:

1) National level kho-kho players will be significantly high openness than the state level kho-kho players.

2) National level kho-kho players will be significantly high conscientiousness than the state level kho-kho players.

3) National level kho-kho players will be significantly high extraversion than the state level kho-kho players.

4) National level kho-kho players will be significantly high agreeableness than the state level kho-kho players.

5) State level kho-kho players will be significantly high neuroticism than the national level kho-kho players.

6) National level kho-kho players will be significantly high neuroticism than the state level kho-kho players.

7) Male level kho-kho players will be significantly high openness than the female level kho-kho players.

8) Male level kho-kho players will be significantly high conscientiousness than the female level kho-kho players.
9) Male level kho-kho players will be significantly high extraversion than the female level kho-kho players.

10) Male level kho-kho players will be significantly high agreeableness than the female level kho-kho players.

11) Female level kho-kho players will be significantly high endurance than the male level kho-kho players.

12) Male kho-kho players will be significantly high endurance than the female kho-kho players.

**Sample:**
For the present study 400 Sample was selected from Maharashtra state. The effective sample consisted of 400 subjects, out of whom 200 subjects will be national level kho-kho players and 200 subjects will be state level kho-kho players. As well as ration of male and female was 1: 1. Non-probability quota sampling procedure was used for the selecting the sample.

**Research Design:** 2x2 Factorial Design will be used

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<tr>
<th>B</th>
<th>A</th>
<th>A1</th>
<th>A2</th>
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<tbody>
<tr>
<td>B1</td>
<td>100</td>
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<td>B2</td>
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A = Game Players

A1 = National level kho-kho players

A2 = State level kho-kho players

B = Gender

B1 = Male level kho-kho players

B2 = Female level kho-kho players
Tools:

2) **NEO Personality scale.**

Paul T. Costa, Jr., Ph.D. & Robert R. McCrae, Ph.D. 1989, 1992. Marathi adaptation by Dr Lodhi (Pune University). This test is developed and standardized by Costa and McCrea the 60 items are rated on a five point scale. The NEO-FFI has a grade six reading level. The subjects were required to respond to each item in terms of “Strongly disagree”, “Disagree”, “Neutral”, “Agree”, “Strongly agree”. Reliability and Validity Internal consistency coefficients range from .86 to .95 for domain scales, and from .56 to .90 for facet scales. Stability coefficients ranging from .51 to .83 have been found in three-year, six-year, and seven-year longitudinal studies of the original NEO-PI factors. The NEO PI-R has been validated against other personality inventories and projective techniques.

2) **Multi Assessment Personality Series (MAPS) (1996):**

This test used for measuring self control. This scale was constructed and standardized by Psy Com. It consists of 147 sentences and each item provide three alternatives the subjects had to select one of the three alternative and this test used Split-Half and Test-Retest Reliability Coefficients & Factorial Validity.

**Procedures of data collection:**

Two instruments could be 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 test. The test was administered and a field copy of test was collected. Following the same procedure, the whole data were collected.
Variable:

Independent variable

1) Game Level
   a) National
   b) State

2) Gender
   a) Male
   b) Female

Dependent Variable

1) Openness
2) Conscientiousness
3) Extraversion
4) Agreeableness
5) Neuroticism
6) Endurance