

SOCIOMETRY



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INTRODUCTION



Sociometry which is a quantitative method for measuring social relationships and is based on the fact that people make choices in interpersonal relationships.



MEANING



The word sociometry came from the Latin "socius," meaning social and the Latin "metrum," meaning measure.



DEFINITION



- Oxford Dictionary defines sociometry as "the study of relationships within a group of people".
- Isob Moreno (1887-1974) defined sociometry as "the inquiry into the evolution and organization of groups and the position of individuals within them".



NEED OF SOCIOMETRY



- Procusing on achieving business or organization targets
- Procusing on key contributors who create value -- the informal leaders
- Is Knowing what is really going on -- enhancing the informal relationship networks
- Procusing on culture providing
- connection,

SOCIOMETRY TEST :



- The basic technique in sociometry is the sociometric test .This is a test under which each member of a group is asked to choose from all other members those whom he prefers to associate in a specific situation.
- The situation must be real one to the group under study .
- Eg. Group study

Requirements of sociometric test are:

- 1: The limits of the group should be indicated to the subjects.
- 2.The number of choice allowed should be specific & depend on the size of the group tested .
- 3. Each subject should be permitted to make his choices and rejections privately without the presence of other members in the group .
- 4.A specific criteria for choice should be used with reference to the
- functional activity of group .
- 5.Different levels of preference should be designed for each choice.

USES



- It enables the teacher to get a comprehensive picture of structure of social relationship.
- It is a special method of obtaining the information through oral question, written response and analyzing the record in studying the group
- It is technique where by each



Cont...



- member is asked to state the kind of relationship or to discover group structure and relation of any one person to the group as a whole.
- It is useful in assigning committees for students.
- It help to organize class projects.
- This technique is simple
- to use and speedy in administration.



Scoring sociometric choices



- *One method is to count the member of limits an individual is chosen disregarding the order of choice this is the most simple method.
- 2.Another method is to score the order of choice for: 3 points to first choice 2 to second and one point to third choice.
- 3.Third plan is to use a rating scale each subject may be asked to rate each one of the other members in a five point scale 4,3,2,1,0 for 4 means " would
- Like to work with him very much and 0 means "would not want to work with him at all.

PROCESS OF SOCIOMETRY



- A sociogram is an important tool for teachers. The sociogram is the chart used to actually apply sociometric in the classroom.
- Its value to teacher is in its potentiality for developing greater understanding of group behaviour.
- This shows the positive nature of sociometry and once the relationship is understood by the teacher, group work can be better facillitated for greater learning to occur.
- The data for the sociogram may also be displayed as a table or matrix of each person's choices. Such a table is called a sociomatrix.

METHODS OF ANALYSIS OF SOCIOMETRIC DATA



- There are 3 important methods of sociometric analysis :
- 1.Sociometric matrix
- 2.Sociogram
- 3.Sociometric index



SOCIOMETRIC MATRIX



- A matrix is a rectrangular array (arrangement) of numbers of other symbols, sociometric is a squre or in x n matrix.
- Eg: A group of 6 members respond to a sociometric questions with whom whould you like to work on such & such projects during the next 3 months ? choose any 3 individuals .The responses made are choices of a member
- choose another ,non choise is denoted by 0.

Eg: A group of 6 members respond to a sociometric questions with whom whould you like to work on such & such projects during the next 3 months ? choose any 3 individuals .The responses made are choices of a member choose another denoted by 1 number, ,non - choise is denoted by 0.

	А	В	С	D	E	F
А	0	1	0	1	0	1
В	0	0	0	0	1	1
С	0	0	0	1	1	1
D	0	1	0	0	1	1
E	1	0	0	1	0	1
F	0	1	0	1	1	0
TOTAL	02	03	0	04	04	05

The table can be read by rows (left to right) or in columns

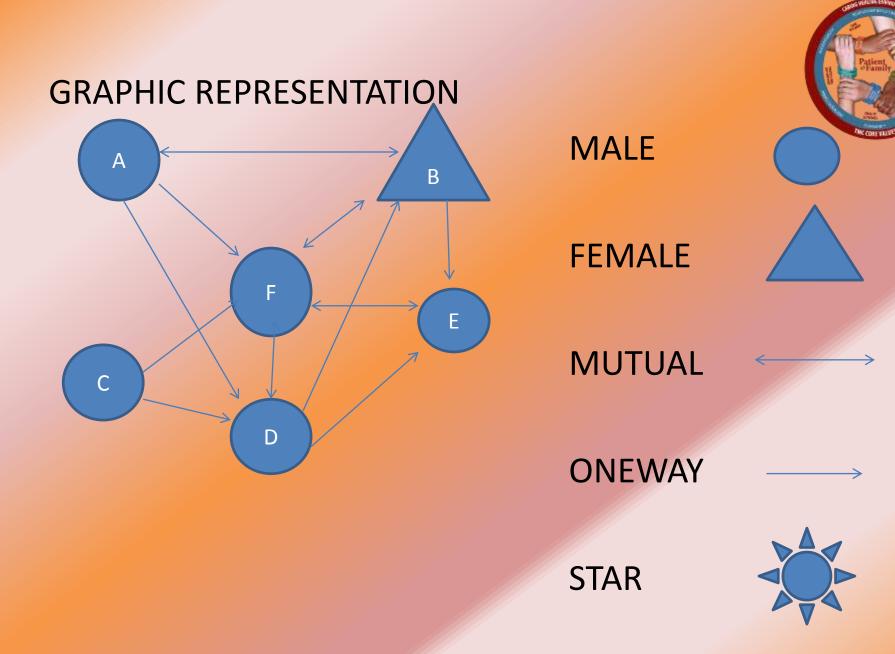
- ADVANTAGES OF SOCIOMETRIC MATRIX:
- A. It is inclusive i.e relationship
- between every single pair is specifically recorded.
- B. Joint relationship among paris are recorded
- C. Matrices may be combined and compared .

SHORT COMINGS OF MATRIX:

- It is not suitable for a large group
- It is a poor graphic device .
- It is a poor tool for detecting mutual choices and other aspects of group structure .

Sociogram

- A sociogram is a graphic representation of social links that a person has.
- It is a graph drawing that plots the structure of interpersonal relations in a group situation



Sociometric index:



- Sociometric choices or other relations are also measured by indices .A large member of medics are possible .
- 2 Choice states index :
- CSA Σ*CA* n-1
- (n-1) is used because one cannot choose oneself.
- Where CSA=Choice states of person A,
- ΣCA= sum of choices in common A,
- n-1member individual in the group.

CONT..



- Group cohesiveness index:
- GC = $\Sigma(MC)$ n(n-1) 2
- Where GC=group cohesiveness
- ΣMC=sum of mutual choices or pairs.





- n=the member of individual in the group.
- Group cohesiveness index: is the proportion of mutual choices to the member of possible pans.
- Social intensity index =Σ acceptance+Σrejections

(n-1)

 Choise – rejection status : The member of choices minis the member of rejections

BRANCHES OF SOCIOMETRY



- 1.research sociometry
- 2. applied sociometry.

• LIMITATIONS

- Not necessarily stable relationship.
- Some members of the group may not reveal their real relationships on account of some fear or other considerations.

SUMMARY





CONCLUSION





