















Types of Information and Social Networks

- Hearing
- Observation
- Discussion



Who is adopter's social referent in which occasion??

1996 - 19**19 - 19**19 - 1919 -

Observation -

Indirect technique, a monitoring activity.

Hearing and Discussion –

Direct technique, two way communication......

- But contents are different and
- $\hfill\square$ Also information acquiring phase is different

Adopters' Social Referent or Information Source

- □ Valente (1996) Direct or personal social networks
- Granovettor (1973) Indirect ties/ networks
- □ Burt (1987) Similar Position in the Structure
- Samaddar and Okada (2007) Spatial dimension









Spatial group -

- Individual's behavioral similarity can be identified on the basis of geographical proximity.
- Physical proximity allows the individual to observe, learn other experiences and to share ideas and values of each other, which not only help an individual to become aware of an innovation, or to reduce risks by witnessing the consequences of adoption, but also neighborhood peers' adoption behavior create social pressure on the individual (Burt, 1987).

Research question

Adopters depend on whom to acquire what kind of information ?



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	Hearing	Observation	Discussion		
Cultural group	1	I			
Religion					
Economic group		÷			
Income					
Occupation					
Spatial Group					
Neighborhood					
Social Network Group)	÷			
Cohesive Group					
Structurally Equivalent group					







Field Study

Duration – 1) July to August , 2007 2) January to February, 2008

Sample Size : 49 tank adopter (who installed rainwater tank in Morrelganj municipality area till august, 2008)

□ Respondent – Head of the Household (All Male, except 3 female respondents)

Description of Socio-Metric Questioners

Hearing – "Kindly name us three persons from where you have first time heard about the rainwater tank"

Observation – "Kindly Name us three places or house where you first time observed the rainwater tank"

Discussion – "Kindly Name us three persons with whom you have discussed about the rainwater tank before making final decision of tank adoption"













El – Index :

 Given a partition of a network into a number of mutually exclusive groups then the E-I index is the number of ties external to the groups minus the number of ties that are internal to the group



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1997 B 1998			
Religion	Hindu - 30.6 % Muslims 69.4%		
Income	10000 Taka – 32.5 %; 20000 taka – 42. 8%; 30000 taka – 16.3%; 40000 taka – 8.2%)		
Occupation	School Teacher – 36.7% , Business – 24.5%, College Teacher – 8.2%, Others – 30.6 %	chool Teacher – 36.7% , usiness – 24.5%, iollege Teacher – 8.2%, others – 30.6 %	



Information sharing and social reference

Sharing various information and degree of homogeneity (E-I Index)

	Hearing	Observation	Discussion		
Cultural group					
Religion	- 0.725	- 0.750	- 0.704		
Economic group	·		·		
Income	0.333	0.364	0.333		
Occupation	0.294	0.432	0.184		
Spatial Group					
Neighborhood	- 0.294	- 0.114	- 0.333		
Social Network Group			_		
Cohesive Group	- 0.294	0.114	- 0.259		
Structurally Equivalent group	- 0.176	0.182	- 0.111		



Conclusions

1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -

- Higher the degree/ frequency of ties, higher is the information sharing tendency.
- Neighborhoods member may share stronger social relation, therefore, exchange information among themselves

Further research question

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- In which stage of technology dissemination, who provides information to whom ?
- What type of information render the technology dissemination process

