

Measuring Social Capital: The case of DOST-funded Cooperatives in Davao City

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Outline

- Introduction
- Methodology
- Results and Discussion
- Conclusion
- Recommendation

Introduction

- **Social relations**, networks, norms, and values - functioning and development of society.
- Social capital - **glue** of communities
- Cooperative - **special, social capital-based** organization

Introduction

- **Agricultural cooperatives** create social capital at a **higher rate**.
- It influences **networks** among members, thus, affecting the **cooperative activities**.

Introduction

- DOST plays a vital role in **social development**.
- Rapid assessment focuses in **physical and human capital**.
- Two cases of DOST-funded coop.
 - Association of Differently-Abled Persons Multi-Purpose Cooperative (**ADAP MPC**)
 - Davao Agricultural Ventures Corporation Employee's Cooperative (**DAVECO**)

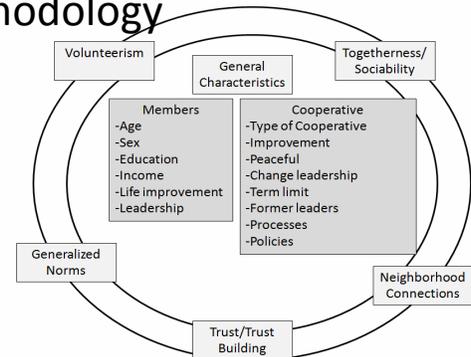
Introduction

- Objectives
 - Determine the level of social capital of members.
 - Identify the factors that motivate social capital formation.

Introduction

- ❑ Limitation
 - Initial Finding only
 - Limited cases
 - Considers only active members
 - Considers only successful coops

Methodology



Methodology

- ❑ 21 valid questions relating to social capital
- ❑ Nominal (yes-no) or Ordinal (rank data from 1 to 4)
- ❑ Principal Component Analysis
- ❑ Statistical Analysis
 - Chi-square test of independence
 - Mann-Whitney U test
 - Kruskal-Wallis H test
- ❑ 40 respondents
 - 22 - DAVECO
 - 18 - ADAP MPC

ADAP MPC

- ❑ Economic arm ADAP Inc.
- ❑ Seven clusters in Davao City
- ❑ Member of NCFPWD
- ❑ Founded on April 1997
- ❑ 137 members; 20 workers
- ❑ ADAP Village with 40 houses and work center
- ❑ Manufactures chairs and desks
- ❑ Training, equipment and deployment of consultant related furniture making

DAVECO

- ❑ Employees of DAVCO
- ❑ CARP beneficiaries
- ❑ 34-hectare land
- ❑ Founded on Nov 1995
- ❑ Money-lending, land lease-back and food processing
- ❑ Annual Income PhP 4M
- ❑ Training, equipment and deployment of consultant related to pineapple jam, vinegar, and wine

Principal Component Analysis

Component	Question
Togetherness & Sociability	1. Are you friends with your cooperative members?
	2. Did you visit any member of your cooperative this week?
	3. Did you attend in a local meeting for the last six (6) months?
Generalized Norms	4. Can you get help from coop members when you need it?
	5. Do the leaders represent a wide circle among the cooperative?
Volunteerism	6. Do you volunteer to help in a local group in your community?
	7. Did you offer your help in your friend, neighbor or to a stranger for the last week?
	8. Do people in this cooperative contribute time and money toward common development goals?

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Member's characteristics

Member's characteristics	Sample	Togetherness & Sociability			Generalized Norms			Volunteerism		
		Friends with members	Visit member	Attend Meeting	Get Help	Leader's Representation	Help community	Help neighbor	Contribute time/money	
Age										
30's	19%	2.14	2.14	1.17	1.86	3.71	1.86	2.00	2.29	
40's	31%	2.09	1.50	1.18	2.18	2.50	2.00	2.11	2.11	
50's	50%	1.76	2.44	1.75	1.89	2.82	2.00	2.44	1.82	
Sex										
Female	42%	1.80	1.93	1.43	1.88	2.92	1.92	2.15	1.86	
Male	58%	2.00	2.19	1.43	2.05	3.06	2.00	2.24	2.05	
Education										
Elementary	14%	2.00	2.25	1.00	2.20	2.50	2.00	2.00	1.40	
High School	8%	1.67	2.33	2.00	1.67	2.67	2.00	2.00	1.67	
College	78%	1.96	2.07	1.44	1.97	3.13	1.96	2.27	2.11	
Income										
Low	10%	2.00	1.50	1.00	2.00	3.50	1.75	1.50	1.50	
Medium	85%	1.91	2.13	1.43	1.97	3.00	2.00	2.24	1.97	
High	5%	2.00	3.00	2.00	2.00	2.00	2.00	3.00	3.00	
Life improvement										
No improvement	10%	2.50	2.00	1.00	2.50	3.00	2.00	2.50	2.00	
With improvement	90%	1.85	2.13	1.45	1.91	3.00	1.97	2.16	1.97	
Leadership										
Member	46%	2.12	2.53	1.76	1.94	3.00	1.94	2.38	2.12	
Officer	54%	1.76	1.74	1.11	2.00	3.00	2.00	2.05	1.84	

*Significant at 5%

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Coop's characteristics

Cooperative's characteristics	Sample	Togetherness & Sociability			Generalized Norms			Volunteerism		
		Friends with members	Visit member	Attend Meeting	Get Help	Leader's Representation	Help community	Help neighbor	Contribute time/money	
Type										
ADAP MPC	44%	2.19	1.94	1.19	2.12	3.33	1.94	2.06	2.18	
DAVECO	56%	1.73	2.25	1.60	1.86	2.78	2.00	2.32	1.79	
Improvement										
Without improvement	11%	2.50	2.50	1.33	2.50	3.00	2.00	2.50	1.75	
With improvement	89%	1.85	2.06	1.44	1.91	3.00	1.97	2.17	1.97	
Peaceful										
Conflictive	16%	1.84	2.13	1.47	1.91	2.92	2.00	2.14	1.97	
Peaceful	84%	2.40	2.00	1.20	2.33	3.40	1.83	2.60	1.83	
Change leadership										
Not regular	18%	2.29	2.71	1.67	2.29	3.00	2.00	2.43	1.86	
Regular	82%	1.83	1.97	1.37	1.90	3.00	1.96	2.14	2.00	
Term limit										
Not sufficient	15%	2.17	2.00	1.25	2.17	3.20	1.80	2.20	2.20	
Sufficient	85%	1.88	2.13	1.44	1.94	2.96	2.00	2.20	1.94	
Former leaders										
Not participating	67%	1.91	2.14	1.27	2.04	3.28	1.95	2.14	1.95	
Participating	33%	1.92	2.18	1.73	1.75	2.56	2.00	2.36	2.00	
Process										
Not aware	23%	2.00	2.00	1.38	2.00	3.33	1.89	2.22	2.11	
Aware	77%	1.90	2.15	1.43	1.97	2.86	2.00	2.19	1.93	
Police										
Absence	13%	2.00	3.00	2.00	2.00	2.60	2.00	2.60	2.40	
Presence	87%	1.88	2.00	1.33	1.97	3.08	1.97	2.10	1.90	

*Significant at 5%

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- ## Conclusion
- Community-based coop consider themselves friends compared to employee-based.
 - When members see the need to change leadership and to establish policy, it compels them to visit each other more often.
 - Absence of policy also requires the members to conduct meetings.

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- ## Conclusion
- The lack of progress at the individual and organizational level compels them to seek help from others including government agencies.
 - Economic benefits will lead to volunteerism, thus, attaining social benefits.
 - Conflictive cooperative forces the members to help the community become more developed and peaceful.

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- ## Recommendation
- Government other development agencies should provide enabling environment to improve the cooperative's social capital.
 - Help them organize themselves and provide opportunity for economic activities.
 - Leadership profile of the cooperative should be improved. Leadership term should be fixed and smooth transfer of power should be maintained.

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- ## Recommendation
- Increase the number of cases including "failed" cooperatives.
 - Improve the analysis using discriminant analysis or logit/probit analysis identifying the factors affecting the success and failure of the cooperative.
 - Links of the social and economic gains should be further investigated.



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