



# **SOCIAL CAPITAL**

## **Lecture 11**

**Research Topics and Study Variables in  
Social Capital Research using  
Quantitative Methods**

**Lecturer:**

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## **BASIC COMPETENCIES**

Students are able to understand and identify topics and study variables of social capital research with a quantitative approach.

# TOPIC OF DISCUSSION

1

The topic  
of social  
capital

2

Study  
variable

3

Questionnaire

4

Q&A

# KEYWORDS

## Topics

the basic foundation that must be possessed before the research step is carried out, this concerns the process of forming good conversational discourse and is systematically carried out to increase the credibility of the research being conducted.

# KEYWORDS

## Variables

an object of research, or what is the focus of a research, both in abstract and real form. Variable is a value that has many variants, or something that is variable and not fixed.

# KEYWORDS

## Quantitative

A method that relies on objective measurement and mathematical (statistical) analysis of data samples obtained through questionnaires, opinion polls, tests, or other research instruments to prove or test hypotheses (temporary conjectures) proposed in research.

# Apperception

When should we use quantitative research?

According to Sugiyono (2019), we use quantitative research if we encounter some of the following:

- When the problem, which is the starting point of the investigation, is obvious.
- When researchers want to get comprehensive information about the population.
- If you want to know how a certain behavior affects other people.

According to Sugiyono (2019), we use quantitative research if we encounter some of the following:

- When researchers want to obtain accurate information based on empirical and measurable phenomena.
- If researchers intend to test the research hypothesis.
- If you want to test whether there is any doubt about the validity of certain information, theories and products.

Have you read any research related to social capital using quantitative methods?

## Social Capital Quantitative Research Topics

- The Influence of Social Capital and Human Capital on Entrepreneurship Success of Rattan Crafts in Transan Village, Gatak District, Sukoharjo Regency.
- Influence of Social Capital, Empowerment Community, and Social Assistance to Business Resilience.

## Social Capital Quantitative Research Topics

- Analysis of the Influence of Social Capital on the Productivity of Rice Farming: A Case Study of Timbulharjo Village, Sewon District, Bantul Regency.
- The Effect of Social Capital on Farmer Household Food Security.

# Example of a Research Topic with Quantitative Methods

Title: The Effect of Social Capital on Farmer Productivity (Case Study in Cilacap Utara District, Cilacap Regency)

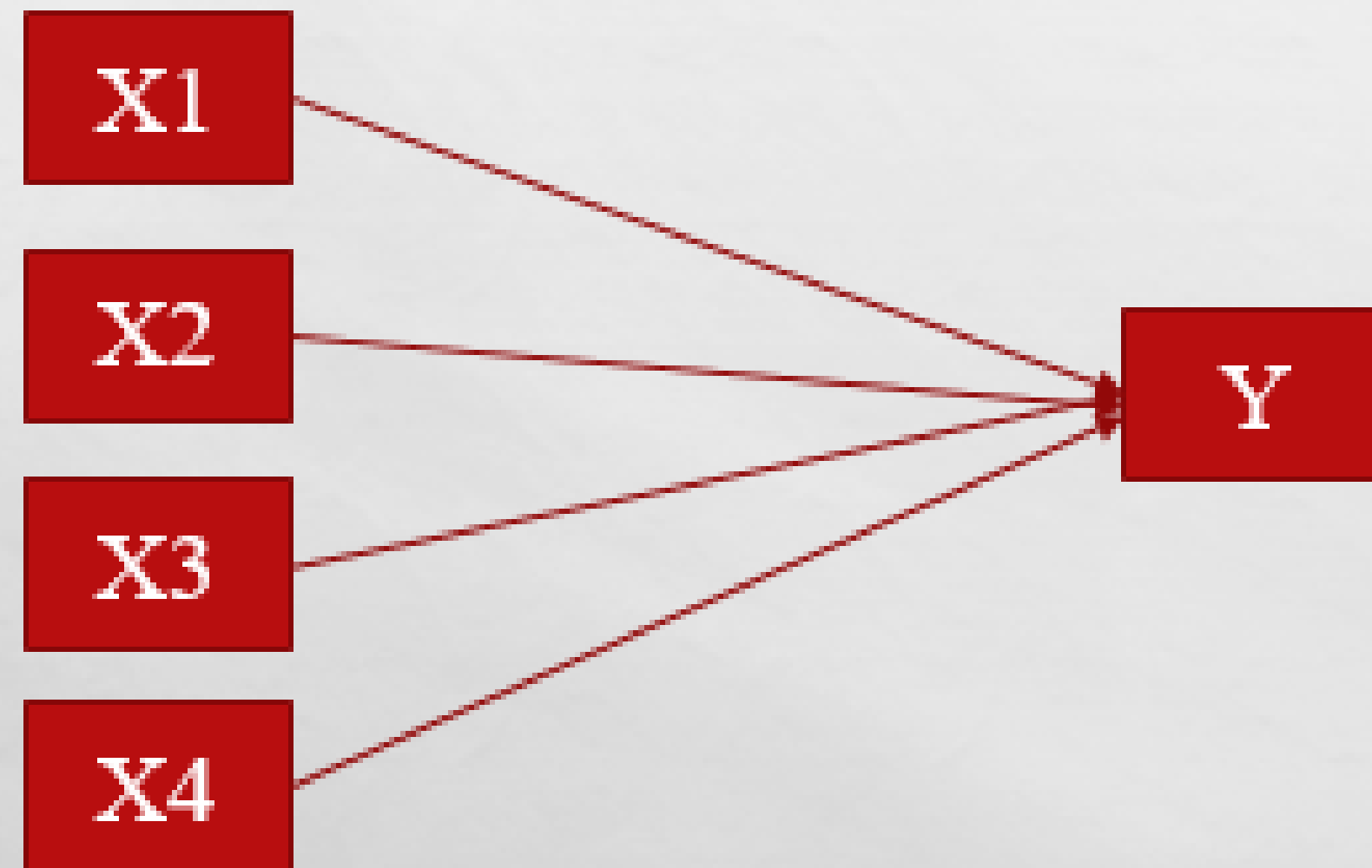
Formulation of the problem:

- to increase human social capabilities
- social capital conditions in rural and urban areas are different
- rural communities depend on agriculture
- low productivity

## Study variables

- The elements of social capital include: trust, participation, network and social norms
- Farmer's productivity

# The Hypothetical Model



## Hypothesis

H1: Trust has a positive effect on farmer productivity in Cilacap Utara District, Cilacap Regency.

H2: Participation has a positive effect on farmer productivity in Cilacap Utara District, Cilacap Regency.

H3: The network has a positive effect on farmer productivity in Cilacap Utara District, Cilacap Regency.

H4: Social norms have a positive effect on farmer productivity in Cilacap Utara District, Cilacap Regency.



What's next?

## Data Analysis Stages

According to Sugiyono (2019), there are three stages:

1. Validity and Reliability Test
2. Classical Assumption Test includes: normality, heteroscedasticity, multicollinearity.
3. Multiple Linear Regression Test: t test (partial), F test (simultaneous) and the coefficient of determination.

The three test stages use SPSS software.

## The Results

1. There is a significant and positive effect of trust on farmer productivity with a t-count of 2.997 and sig. 0.004.
2. There is a significant and positive effect of participation on farmer productivity with a t-count of 3.325 and sig. 0.001.
3. There is a significant and positive effect of the network on farmer productivity with a t-count of 2.580 and sig. 0.012.
4. There is a significant and positive effect of social norms on farmer productivity with a t-count of 2.997 and sig. 0.004.

Q&A

- Why do quantitative research use questionnaires?
- What are the benefits of using quantitative research?

# REFERENCES

Usman, Sunyoto. 2018. Modal Sosial. Yogyakarta: Pustaka Pelajar. Page: 1-30.

Field, John. 2010. Modal Sosial. Bantul: Kreasi Wacana. Page: 21-46.

Sugiyono. 2019. Metode Penelitian Pendidikan (Kuantatif, Kualitatif, Kombinasi, R&D dan Penelitian Tindakan). Bandung: Alfabeta. Page: 166-212.

Thesis, dissertations, journals on social capital in the agricultural sector.

On the next chapter, we'll learn about Social  
Capital Research.

Do you have any question?

Do not hesitate to contact me through  
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THANK YOU