

An Economic Approach to Issues on the Information Security

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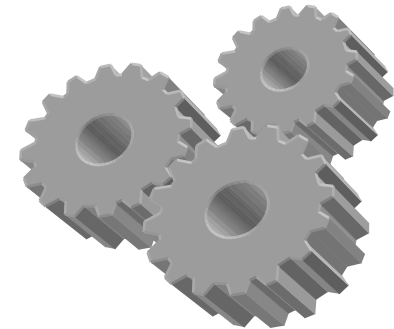
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ABSTRACT

In this work, from the viewpoint of economics, the author analyzes the interrelationship between information security countermeasures and economic activities by statistical methods. The sophisticated micro data set in this work, which includes countermeasures, (psychological) awareness on information security and various other attributes, is collected through a Web-based survey that uses sophisticated social investigation methods.



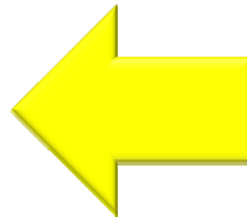
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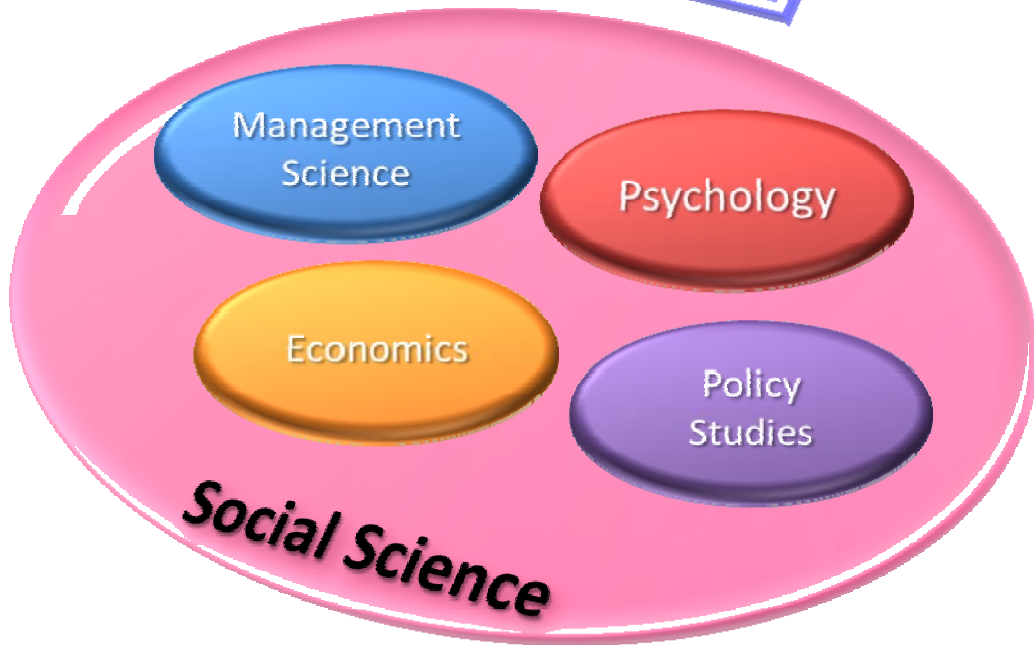
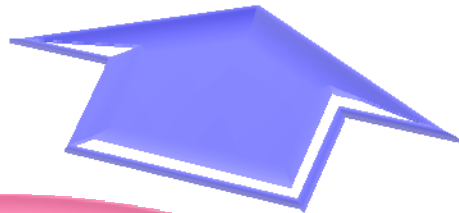
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Information Security



Technology



**Why Economics?
Why Psychology?
Why Management Science?**

Themes

- Economic Effects on Information Security
 - **Economic Loss by Information Security Incidents**
 - **Positive Effect of Strategic Information Security Investment**
 - **Incentive Mechanism to Invest in Information Security**
- Economic Behavior on Information Security Countermeasures
 - **Awareness**
 - **Communication**
- Information Security Management System
 - **Information Security Management System**
 - **Business Continuity Management System**
- Economic Impact of Government etc

Stream of Research by Takemura Group (RISS) on Economic Aspects of Information Security

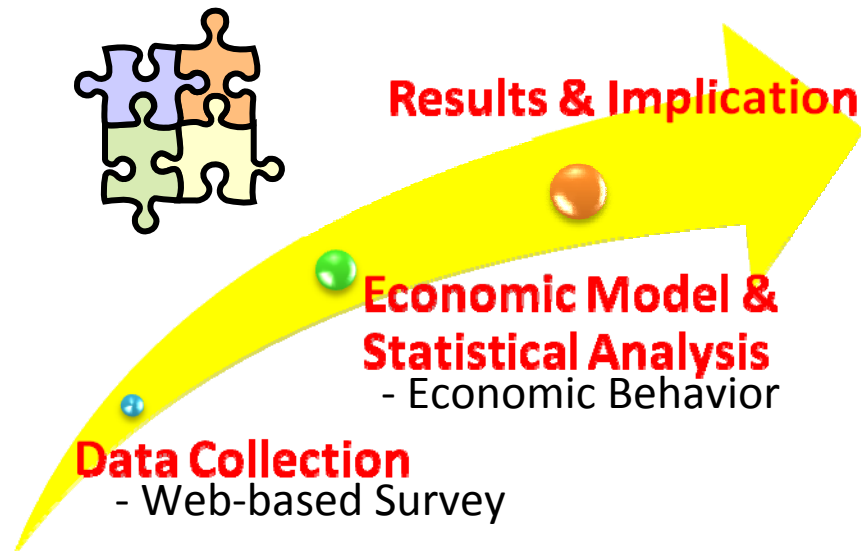


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Summary

Framework

Finding



The Research Institute for Socionetwork Strategies, Kansai University

- Database for Joint Usage/Research
<http://www.kansai-u.ac.jp/riss/>

- There are positive relationships between the expected effects and some management countermeasures on information security such as information sharing and education
- Human resources and information sharing are the important two factors regarding the security system in the firm
- Workers' awareness of information security is different in its attributes such as organizational attributes and the education about information security countermeasures

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A Keyword is "**Education**"