

# Information Integrity Risk

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Information Integrity/Integrity Information System/Management Information System

Course Lecture # 29

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# Lecture # 29

## Information Integrity Risk

# OVERVIEW

- Recap
- Information Correctness and Exactness Risk
- Exercises

# RECAP...1

- In Lecture # 12 it was observed that there *is* the issue of Information Integrity (I\*I) risk that the decision making process in a complex and changing environment experiences.
- Specifically, I\*I risk is of making a decision choice *ex ante* which will, according to the *ex ante* estimate of the decision-making process, perhaps turn out to have been sub-optimal *ex-post*.

# RECAP...2

- This kind of risk has to be caused by insufficiently full and perfect information, which is either misleading (biased, i.e., distorted) and/or incomplete (noisy).

# Information Correctness and Exactness Risk

- In Lecture #31 entitled “Traditional IS, Quality IS and Integrity IS- A Comparative Statement”, see Item 1.10 titled “Risk Factor” having following sub-sections:
  - Integrity *IS*
  - Nature of Risk
    - Risk – An Informational View
  - Information Integrity Risk
    - Usability Risk
    - Information Correctness Risk
    - Information Exactness Risk
  - **Risk Aversion has requirement for additional information and is a costly activity:**

# EXERCISES

- (E23.1) What is I\*I Risk? What are its components? List them.
- (E23.2) Define components of I\*I risk.
- (E23.3) Explain why “Usability Risk” by itself is irrelevant with respect to determining which decision action to choose.
- (E23.2) How is I\*I Risk quantified?
- (E23.3) “I\*I risk aversion has requirement for additional information and is a costly activity”. Explain.

**THANK YOU**