

Concepts of information economics

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Abstract

In this paper, I describe concepts of information economics. The paper ends with "The End"

Introduction

Concepts of information economics are useful to many fields including economics, finance and science.

In this paper, I describe concepts of information economics.

Concepts of information economics

1. When $F(t+1) \neq F(t)$, **gain** is defined by

$$G_M(t) = \frac{M(I(t+1)) - M(I(t))}{F(t+1) - F(t)}$$

where

$M(I(t))$ is any **measure** of information at time t

$F(t)$ is force at time t

2. When $F(t+1) \neq F(t)$, **acquisition** is defined by

$$A_V(t) = \frac{V(I(t+1)) - V(I(t))}{F(t+1) - F(t)}$$

where

$V(I(t))$ is any **variable** of information at time t

$F(t)$ is force at time t

3. When $I(t+1) \neq I(t)$, **resistance** is defined by

$$R_V(t) = \frac{V(I(t+1)) - V(I(t))}{I(t+1) - I(t)}$$

where

$V(I(t))$ is any **variable** of information at time t

4. When $I(r_{V,I}(t+1)) \neq I(r_{V,I}(t))$, **internal resistance**, when internal resistance exists, is defined by

$$r_{V,I}(t) = \frac{V(I(r_{V,I}(t+1))) - V(I(r_{V,I}(t)))}{I(r_{V,I}(t+1)) - I(r_{V,I}(t))}$$

where

$V(I(r_{V,I}(t)))$, when it exists, is the **digest** of information at time t

The End