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**From:** Joi Ito <[REDACTED]  
**Sent:** Sunday, June 7, 2015 2:03 PM  
**To:** Jeffrey Epstein  
**Subject:** Re:

"mean but funny.." Am I the only one who is every mean and =unny to you? If so, it's important I think. For your fitness.

The question is great, but the question about the question, or the =uestion of what is the "highest" question or an even =E2 better" question is also sort of funny. It's =ecursive up in a weird way.

- Joi

> On Jun 7, 2015, at 9:01 AM, jeffrey E. <jeevacation@gmail.com> wrote:

>

> mean but funny..) ; if you have read kant his principles are =equivalent to arrows in cat theory. he did not have the formal =pparatus to analyze.. amusing. economics is a description of the =ategory of exchanges. . it is not limited to money or information , =t is a process , not a noun

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> On Sun, Jun 7, 2015 at 8:55 AM, Joi Ito <[REDACTED]> wrote:

> Not your old age question?

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> :-)

>

> It's like Jeopardy except that Watson won't have the =nswer.

>

> One of my faculty, Cesar Hidalgo, recently wrote a book called "Why =nformation Grows".

> =tt://www.amazon.com/Why-Information-Grows-Evolution-Economies/dp/046

> 5048=94

>

> I haven't read it yet, but I've had some conversations =ith him. He's trying to approach it from a physics perspective =nd argues that life is "information" and "order". =ot sure this is right.

>

> "What is economic growth? And why, historically, has it occurred in =nly a few places? Previous efforts to answer these questions have =ocused on institutions, geography, finances, and psychology. But =ccording to MIT's antidiplinarian César Hidalgo, understanding =he nature of economic growth demands transcending the social sciences =nd including the natural sciences of information, networks, and =omplexity. To understand the growth of economies, Hidalgo argues, we =irst need to understand the growth of order.

>

> At first glance, the universe seems hostile to order. Thermodynamics =ictates that over time, order--or information--will disappear. Whispers =anish in the wind just like the beauty of swirling cigarette smoke =ollapses into disorderly clouds. But thermodynamics also has loopholes =hat promote the growth of information in pockets. Our cities are =ockets where information grows, but they are not all the same. For =every Silicon Valley, Tokyo, and Paris, there are dozens of places with =conomies that accomplish little more than pulling rocks off the ground. =o, why does the US economy outstrip Brazil's, and Brazil's that of =had? Why did the technology corridor along Boston's Route 128 languish =hile Silicon Valley blossomed? In each case, the key is how people, =irms, and the networks they form make use of information.

>

> Seen from Hidalgo's vantage, economies become distributed computers, made of networks of people, and the problem of economic development becomes the problem of making these computers more powerful. By uncovering the mechanisms that enable the growth of information in nature and society, Why Information Grows lays bear the origins of physical order and economic growth. Situated at the nexus of information theory, physics, sociology, and economics, this book propounds a new theory of how economies can do, not just more, but more interesting things."

>

>

>> On Jun 7, 2015, at 6:51 AM, jeffrey E. <jeevacation@gmail.com> wrote:

>>

>> my age old question . . if LIFE is the answer , what is the question, ..... what set of problems are living systems solving for?

>>

>> --

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