

The Gap is a symptom of bigger theoretical explosion

THERE ARE MANY KINDS, OR ARE THERE?

Strongly semantic information

Biological information

Semantic information

Shannon information

Natural information

Mental representation

Non-natural information

Functional information

Non-semantic information

... and they may intersect. My claim is that there is only one kind of information, what solves the gap problem (but many questions remain reformulated.)

The gap is a symptom of a bigger theoretical explosion, which is not only a problem for cognitive science, but also for philosophy of mind and philosophy of language.

The goal of this presentation is to show that there is only one kind of information, and that the gap can be bridged by a suitable mechanism, which I will call "Shannon pipeline".

THIS IS THE PICTURE OF THE THEORETICAL EXPLOSION OF INFORMATION (pieczarki)

This gap is one of the big class

PLATON: (eidos), late informing: in-formare - order / structure preserving; no measure

HARTLEY first gave the idea that connects the quantity of information with probability and stretch it because it's huge with log function. Notice Hartley's big idea was to get rid of psychological notion of information!!! Meanwhile we ended with "surprise" and "uncertainty" in textbooks, which is a problem for cognitive science (circularity)

"SHANNON" Information (This is not his fault, that we call it so; he would not :-)

NATURAL MEANING/INFORMATION (started by Grice (fire-smoke / shop is "OPEN"))

NONNATURAL MEANING/INFORMATION (conventions, may misrepresent) NATURAL as probability changing observation ($P(Y|X) > P(X)$) NATURAL KNOWLEDGE (Dretske $P(X)$ raises to 1 after observation Y : $P(Y|X)$) SCARANTINO: The Probabilistic Difference Maker

STRONGLY SEMANTIC INFORMATION (Floridi): True information (and its way of measuring) BIOLOGICAL INFORMATION (DNA vehicles, it has causal capacities in the process of protein production) MENTAL REPRESENTATION (task function: "standing for", but what is the case of fictional objects(?), structural and compositional representation)

SEMANTIC INFORMATION (proposed by Carnap Bar-Hillel, measured by ratio of number of