Beyond Flatland?

What does semiotics add to information sciences?

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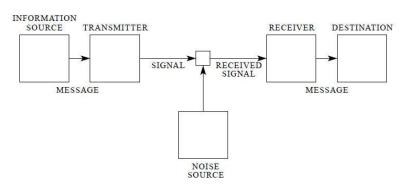


Knowledge in Formation (KiF)

Contents

- 1. Shannon information; the technical level
- 2. The meaning and effectiveness levels and the need for semiotics
- 3. Different types of information and the KiF model
- 4. A case study in the long tail

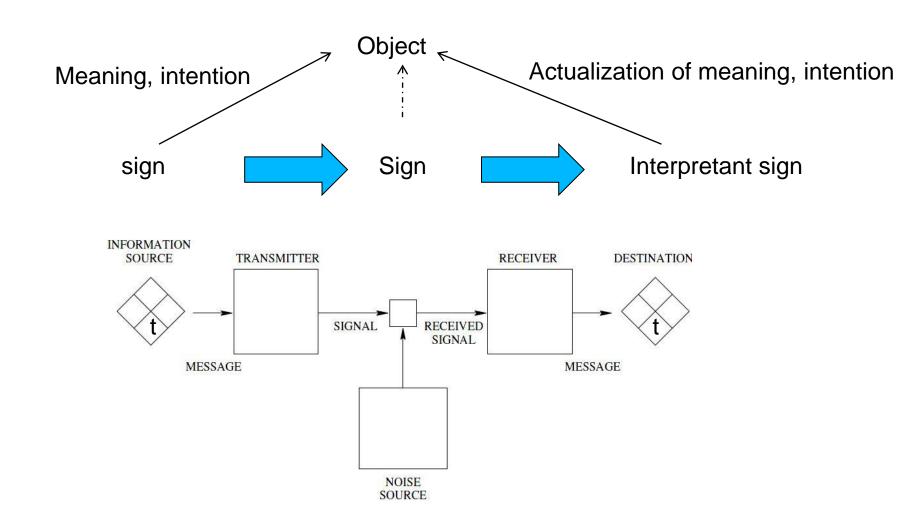




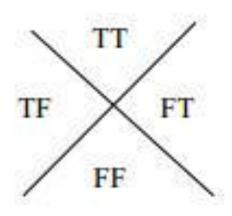
- 1 *Technical level* (Shannon information)
- 2 *Meaning level*: messages (signs) refer to or are correlated according to *some* system with certain physical or conceptual entities. (Shannon)
- 3 Effectiveness, Pragmatic level (Weaver)

Peirce: A sign is something A (technical level), that stands in relation to something else B, (its object, meaning level) in such a way that it brings its interpretant C, (effectiveness level) in the same relation as it stands itself.

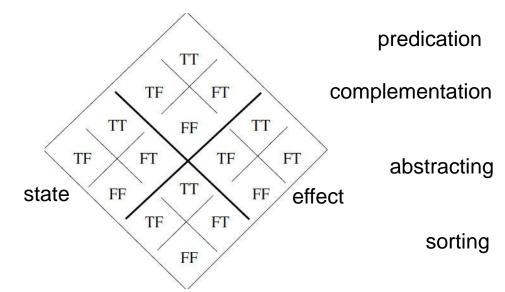








To: belief



From: doubt

Peirce

X-frame: two variables

 \approx Shannon

16 Boolean relations

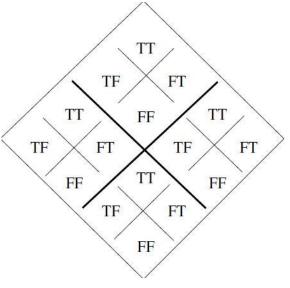
In a dependency structure

 \approx semiotics



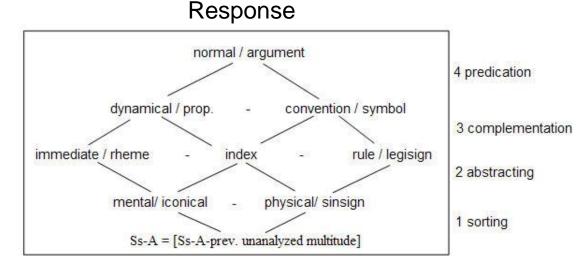
Logical gates

Moments in interpretation process



Two variables

Logical: X-Frame



State, Effect

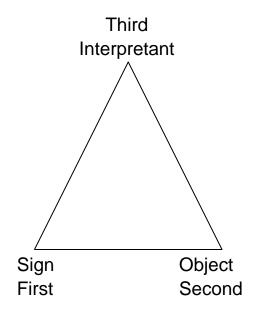
Semiotical: KiF

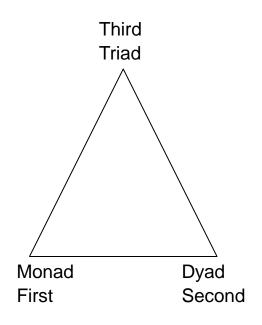


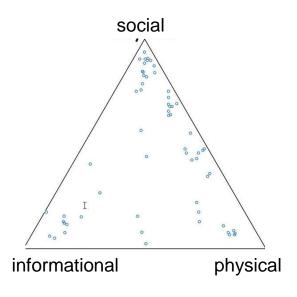
Sign definition Ch. Peirce

Trikonic G. Richmond

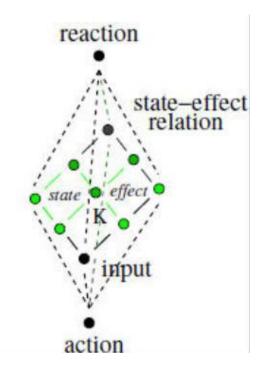
All individual scores plotted











Top Down

Bottom up

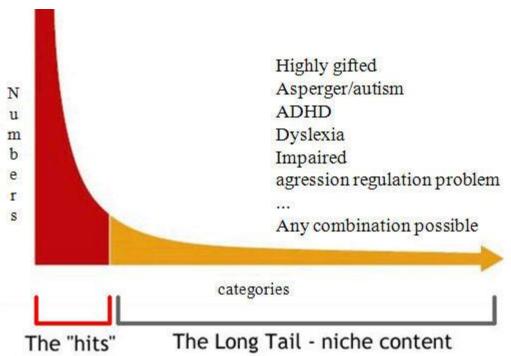


Exception handling

A top down case study
In the Netherlands 16.000 + pupils at home

Story telling, digital fieldwork

Research conducted with Top Innosense





Problems at school? Tell your story



Database label: Narrative		
Vraag: Tell	your story	
	"Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incidic veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequivelit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non pre laborum."	uat. Duis aute irure dolor in reprehenderit in voluptate
Titel: Give	a title	
	Titel	
Keywords:	Which key words do fit your story	
	Keywords	



Hard metadata

facts

- Age
- School type
- Is the absence recorded at community level?
- Duration of absence from school
- Role of story teller
- etc.

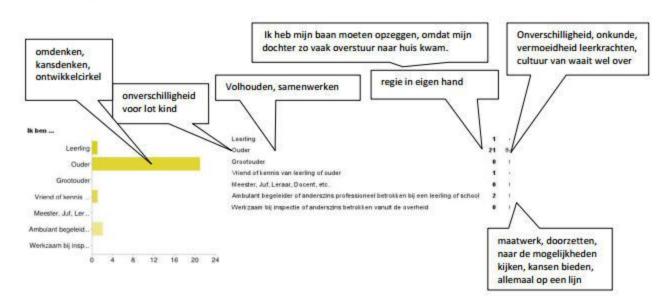
Soft metadata experiences

How did you experience what happened?



Hard metadata

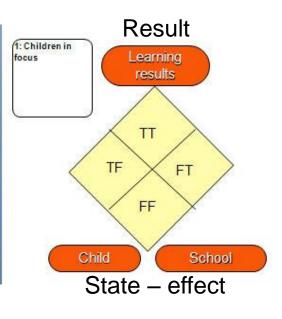
role of story teller

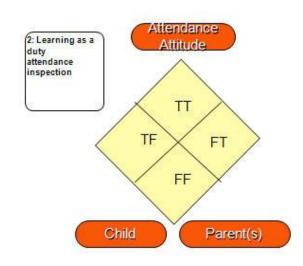


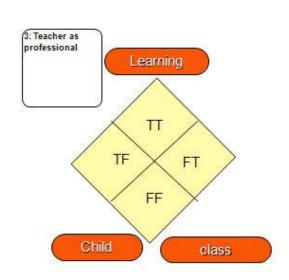


Perspectives according to KiF

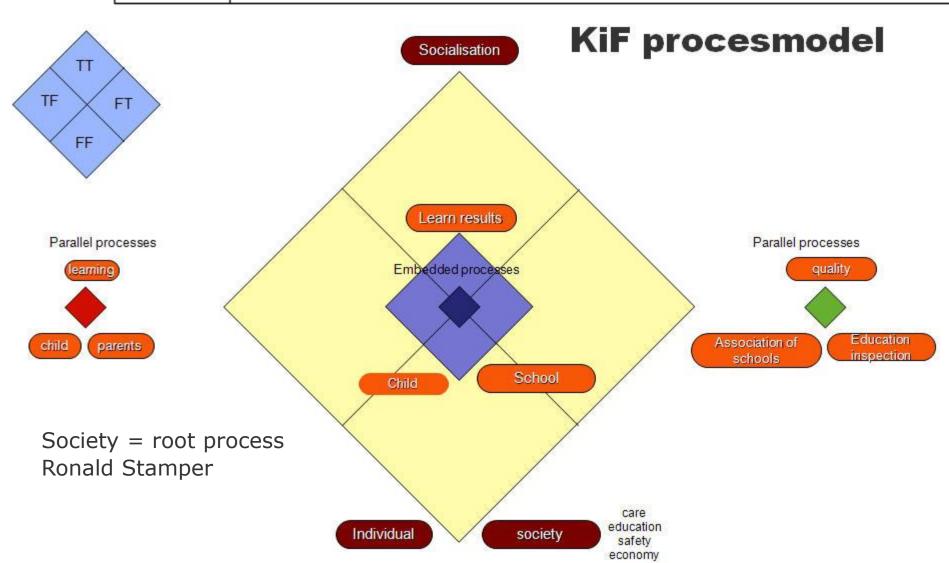
School Home Class



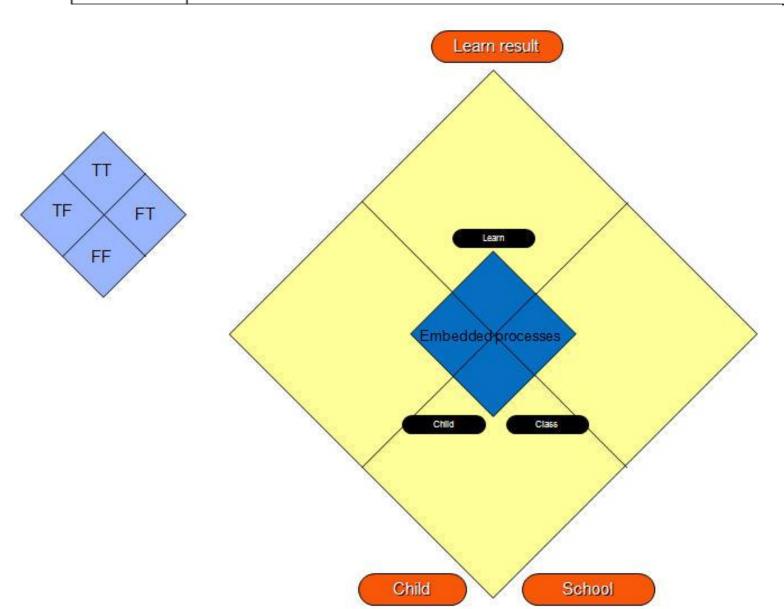




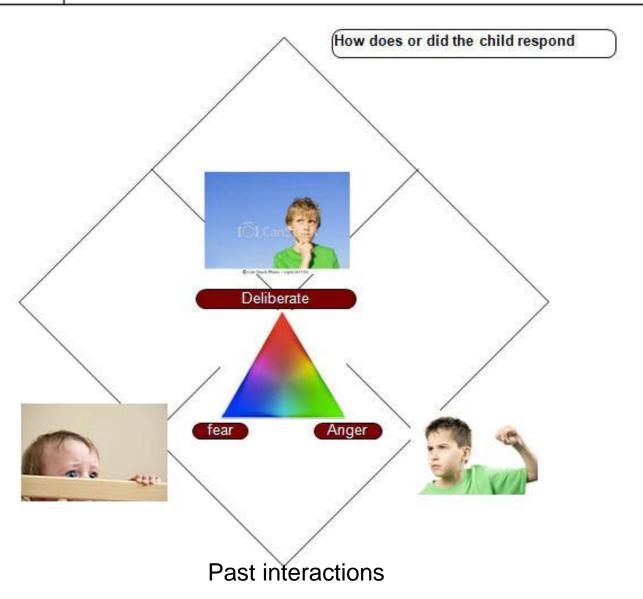




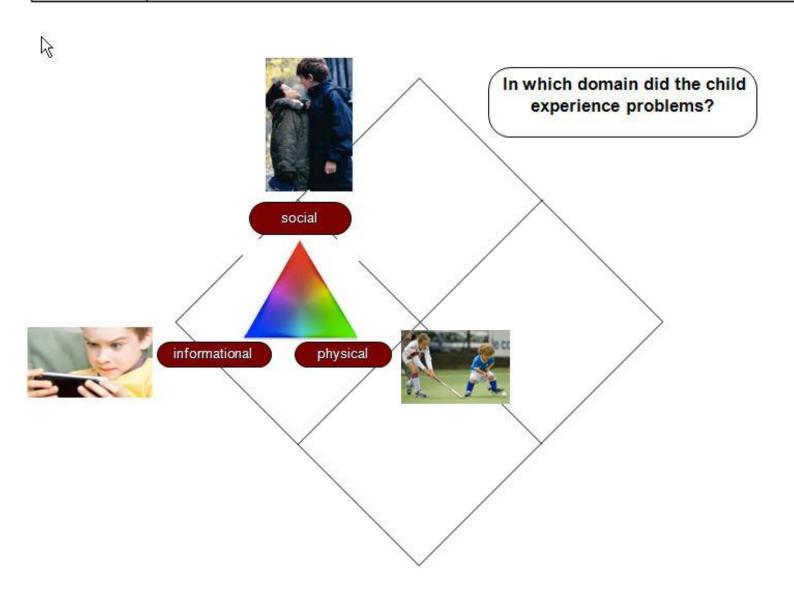




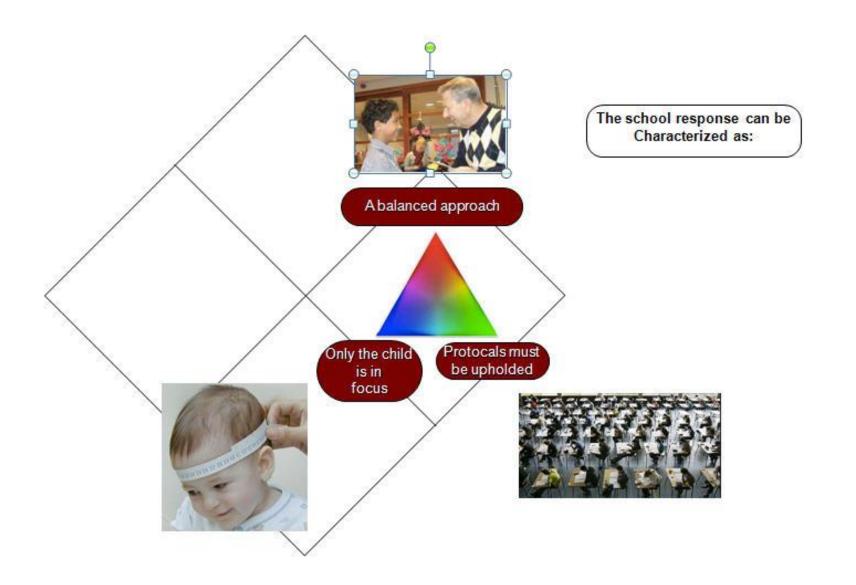




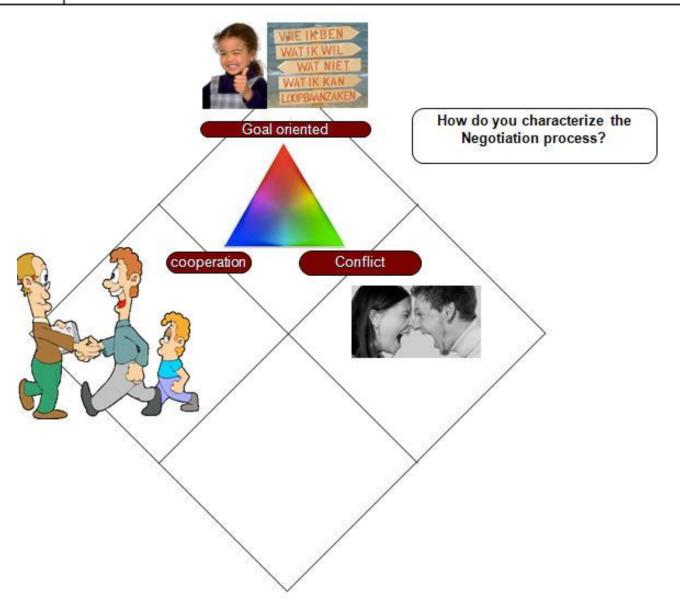




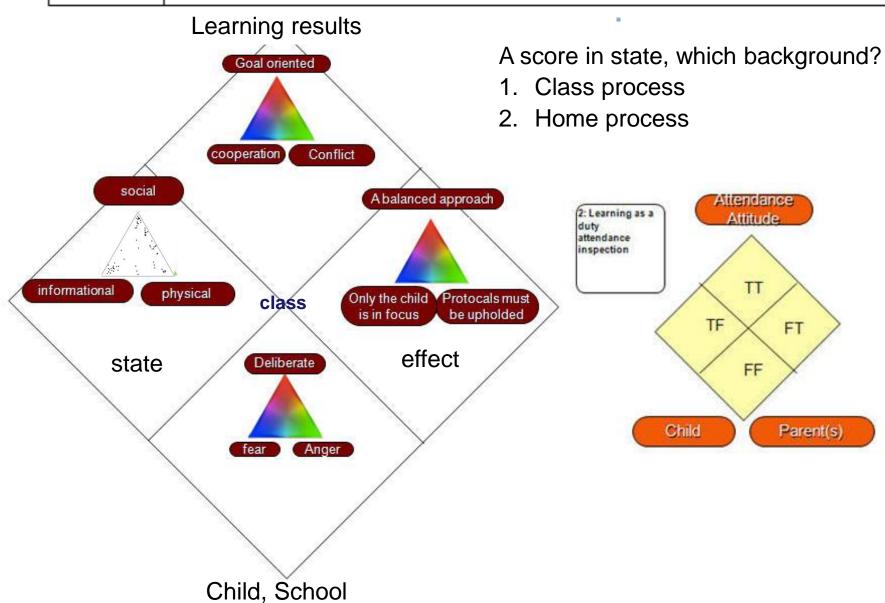






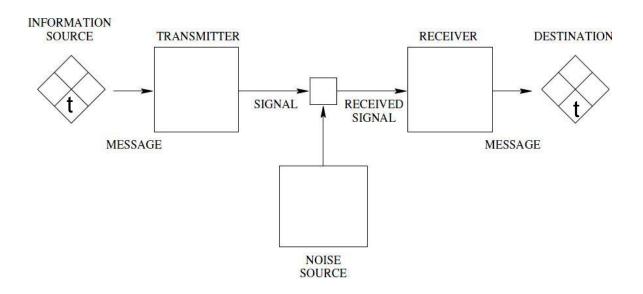








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Access to the meaning and effectiveness levels

by the use of

sign aspects in a dependency structure!