

# 50 shades of social cognition. How to capture the diversity of socio-cognitive abilities?

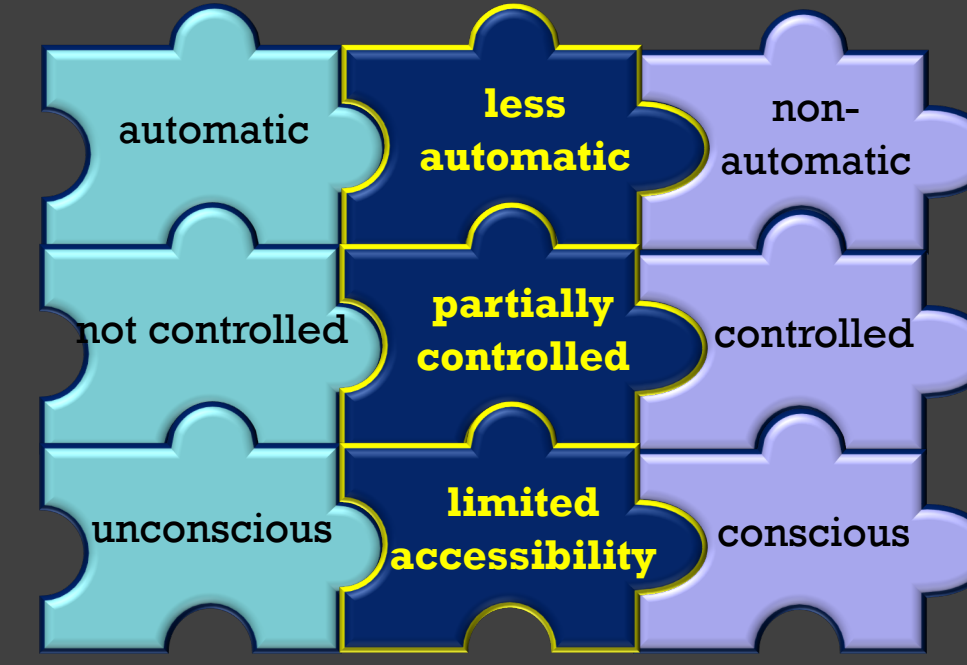
## Expanding restrictive terminology of philosophy

### CLAIMS:

- Minimal notions expand restrictive standard terminology in philosophy.
  - capture a greater diversity of socio-cognitive abilities
- Widespread strategy referring to a two-system approach integrates minimal notions into a broader conceptual framework.
  - still neglects various instances (Strasser 2020)

dichotomous interpretation of a two-system approach (Kahneman 2011)

PROPERTIES		SYSTEM-ONE <i>minimal notions</i>	SYSTEM-TWO <i>standard notions</i>
AUTOMATICITY		automatic	non-automatic
CONTROL		not controlled	controlled
ACCESSIBILITY	OTHER INFORMATION	not accessible	accessible
	FOR OTHER PROCESSES	information is not accessible	information is accessible



cannot capture in-between cases

empirical evidence speaks for gradual appearances & greater diversity of combinations of properties

- (1) NO GRADUAL PROPERTIES
- (2) CO-OCCURRENCE OF PROPERTIES REGARDING EACH SYSTEM

- diverse combination of properties (Bargh 1994)
- processes can be conscious but uncontrollable, unintentional but still controllable, efficient and intentional (Gawronski 2011)

various instances neglected by assuming a necessary co-occurrence of properties

## Alternative Strategy

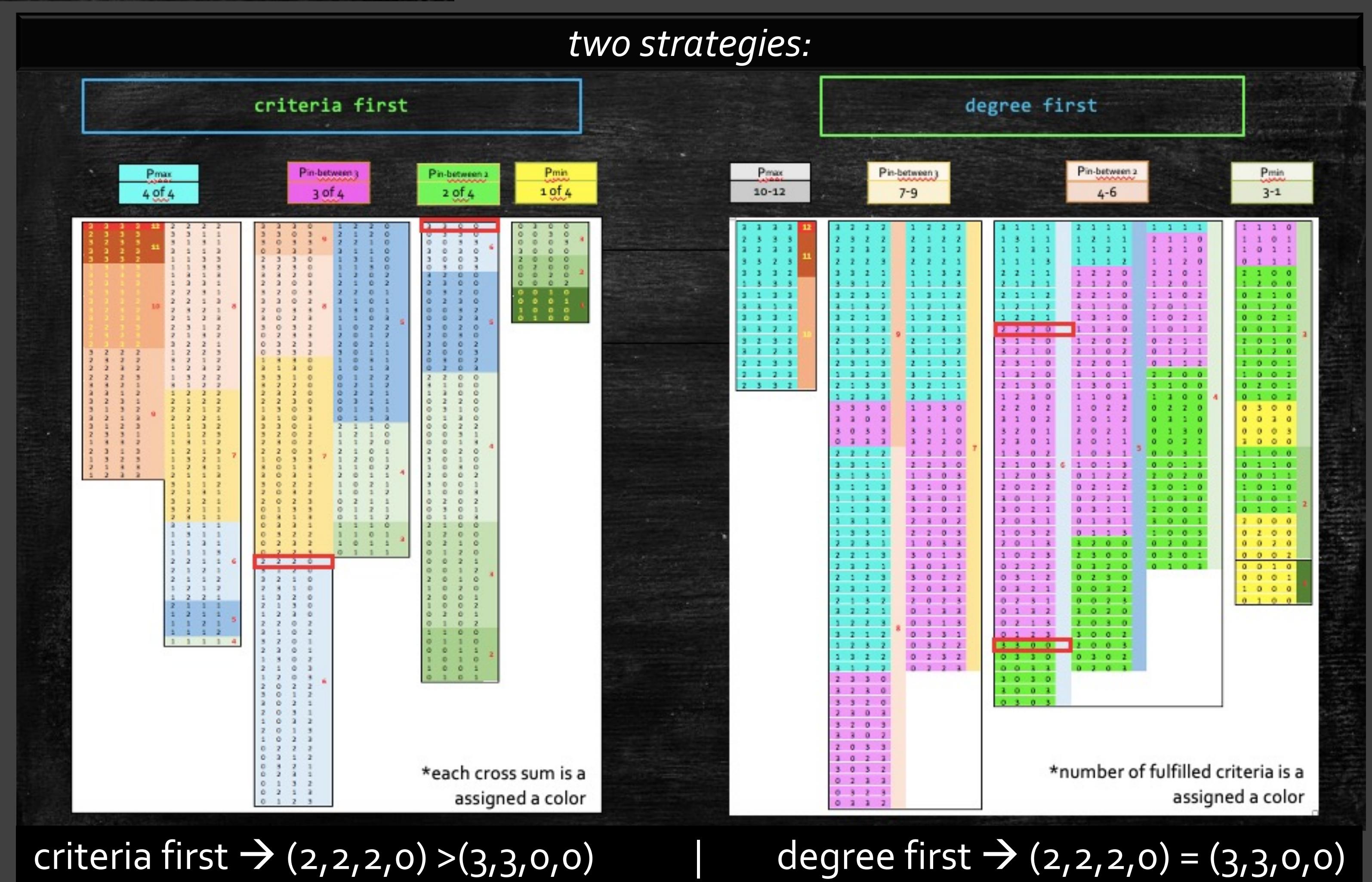


example:  
conceptual schema "at least 1 of 4" with weak, medium, and strong expressions of the criteria

- each instance is represented by a tuple of 4 variables
- the value of each variable represents the expression
- $p_{\text{disjunct} + \text{vary}}$  := set of all permutated tuples

→ captures 255 instances

- TWO WAYS TO ORDER INSTANCES
- using the number of fulfilled criteria
  - using the cross sum of each tuples to sort by degree

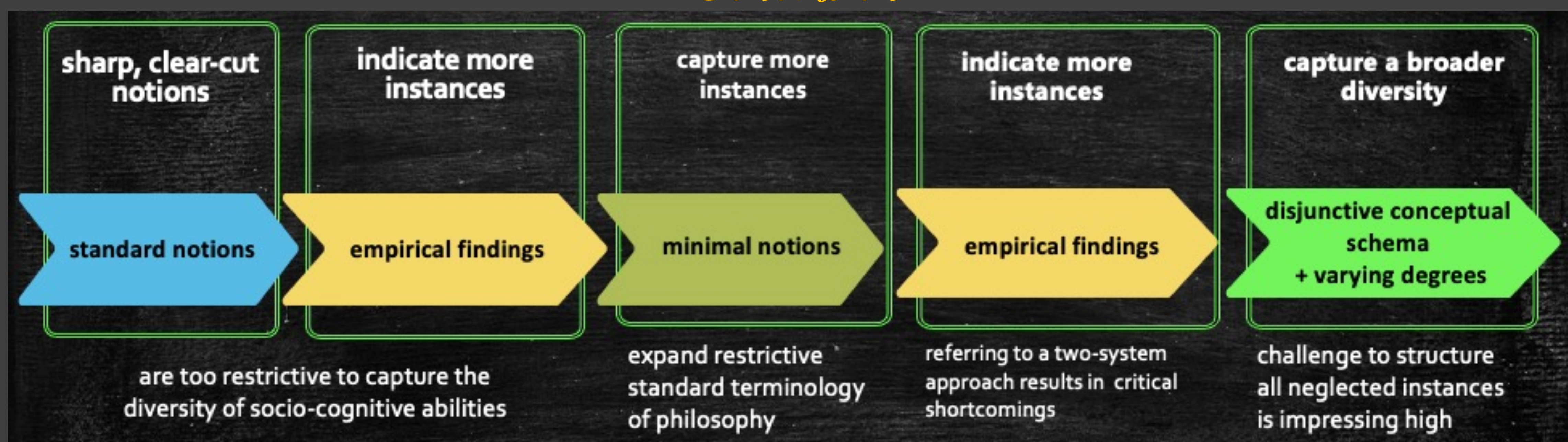


criteria first → (2,2,2,0) > (3,3,0,0) | degree first → (2,2,2,0) = (3,3,0,0)

### Open Question: Which strategy should we choose?

Is it "worse" to have more symptoms in a weak expression than having fewer symptoms in a strong expression?

## Conclusion



### FUTURE RESEARCH:

empirically informed investigations to explore qualitative considerations clarifying which ordering strategy should be chosen in which context

References:  
Bargh, J. A. (1994). The four horsemen of automaticity: Awareness, intention, efficiency, and control in social cognition. In R. S. Wyer & T. K. Srull (Eds.), *Handbook of social cognition* (1-40). Erlbaum.  
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Strasser, A. (2020). In-between implicit and explicit. *Philosophical Psychology*.