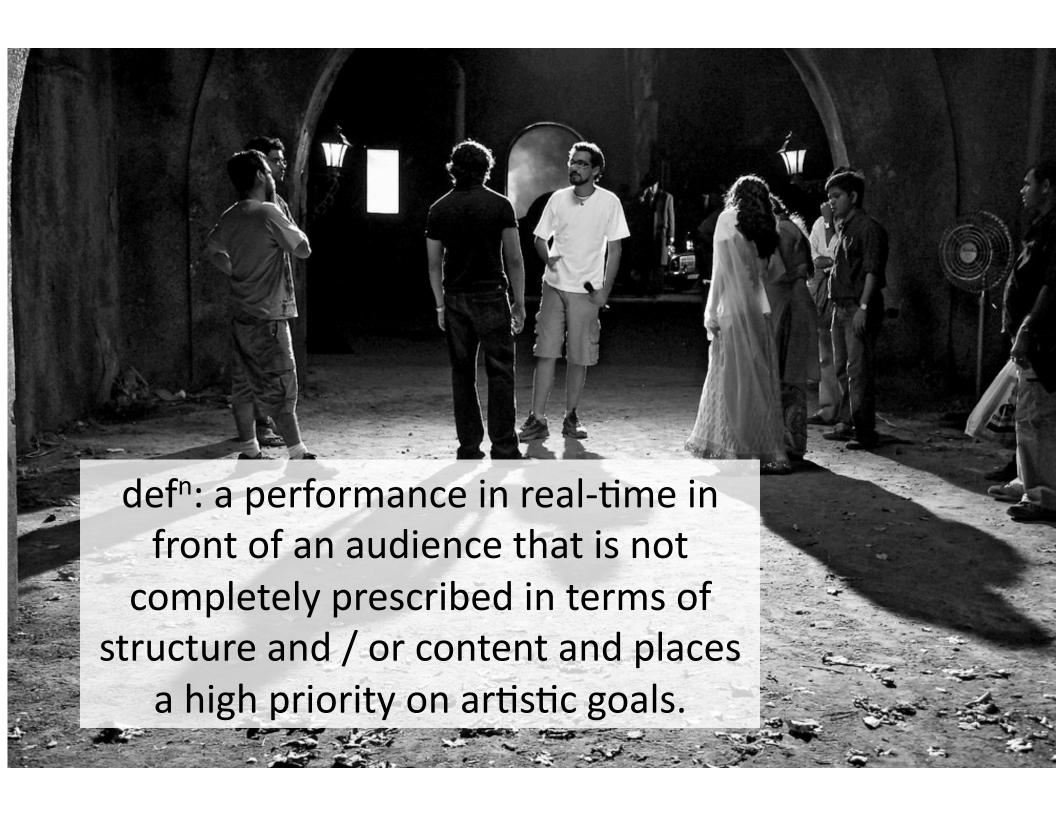


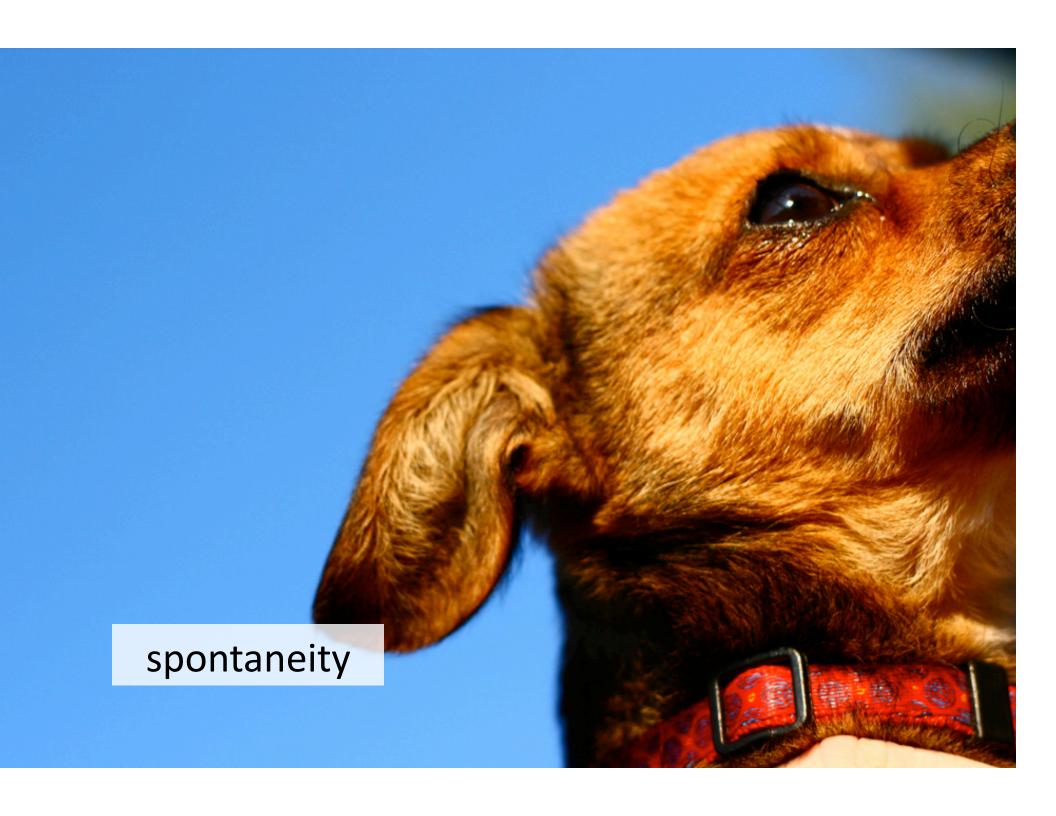
brian magerko

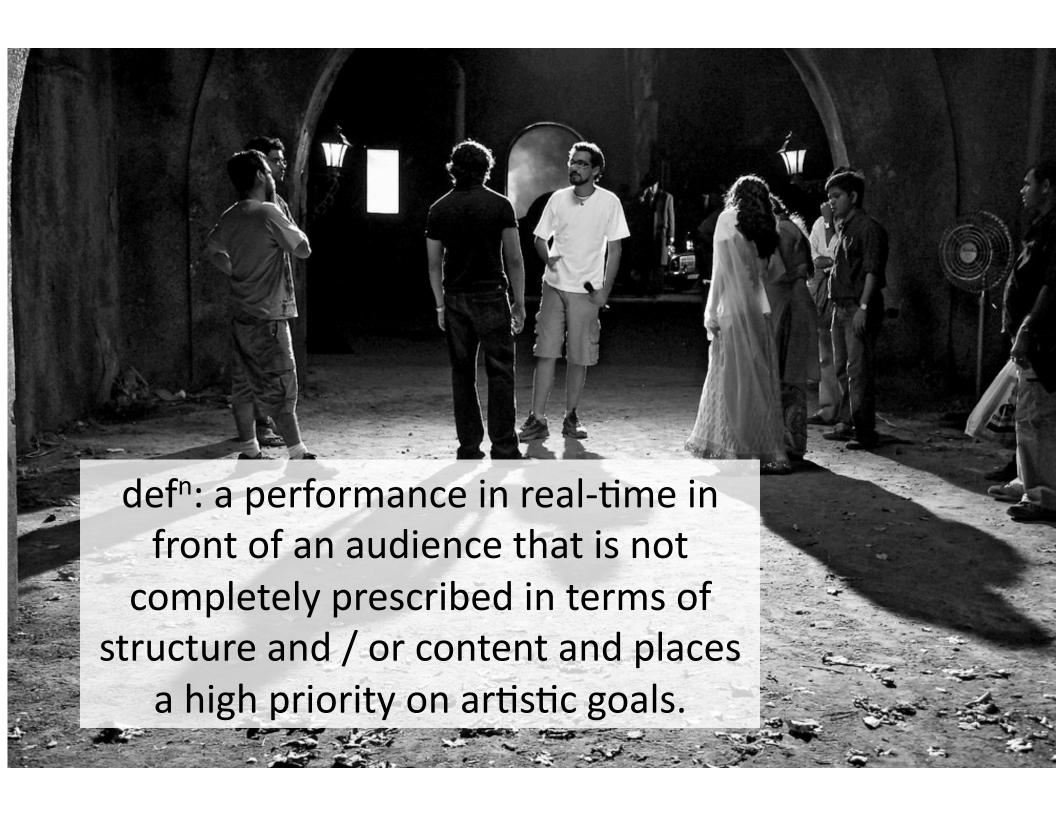
adaptive digital media lab

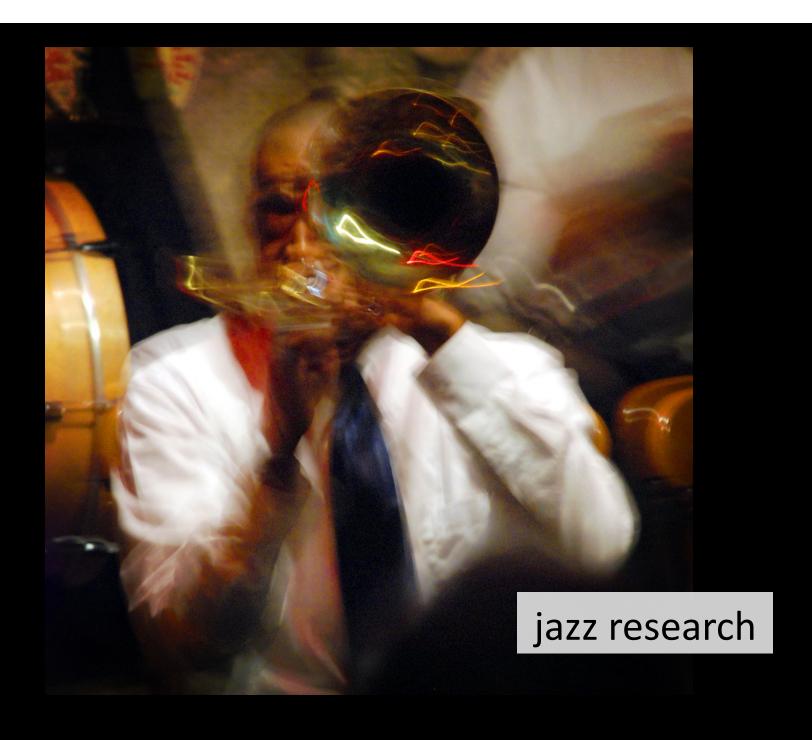
georgia tech

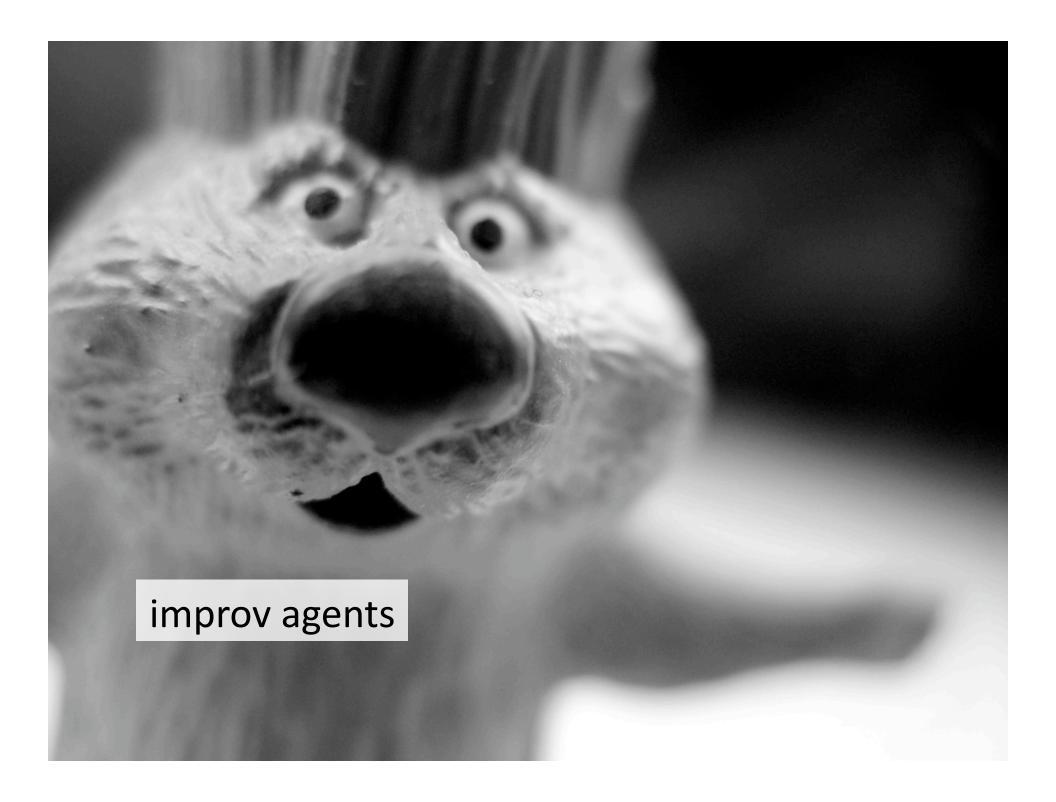














#### improv theatre



un/structured creative goals

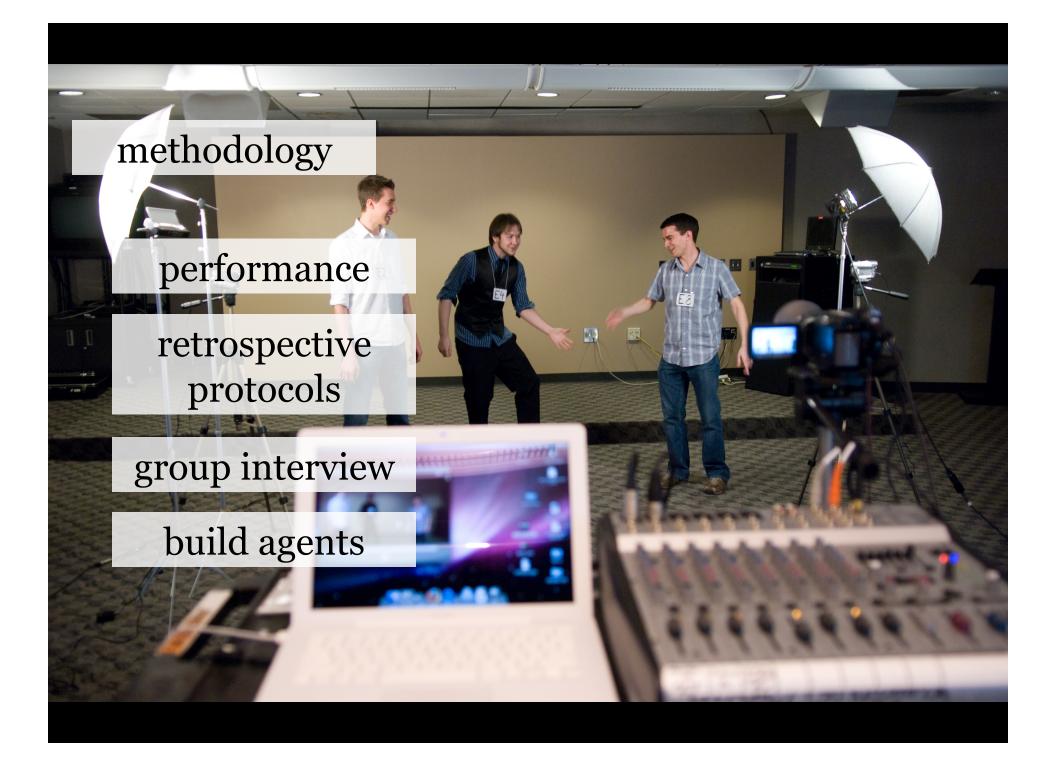
group activity

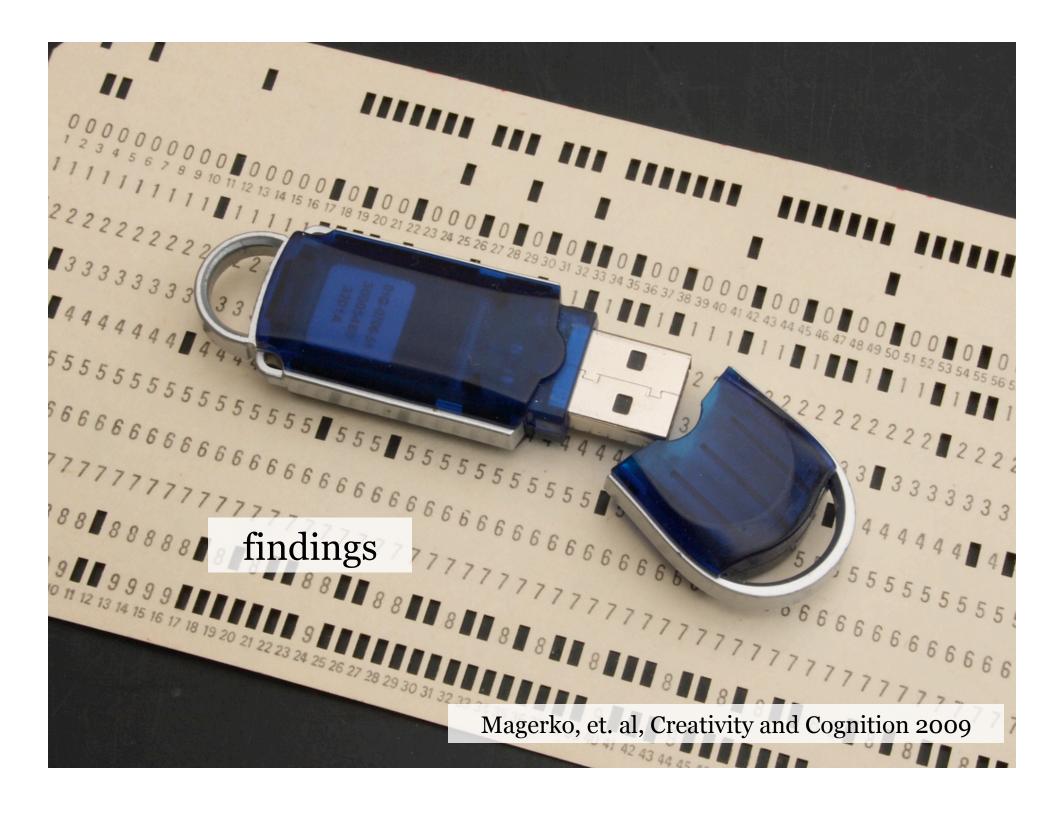
multi-modal communication

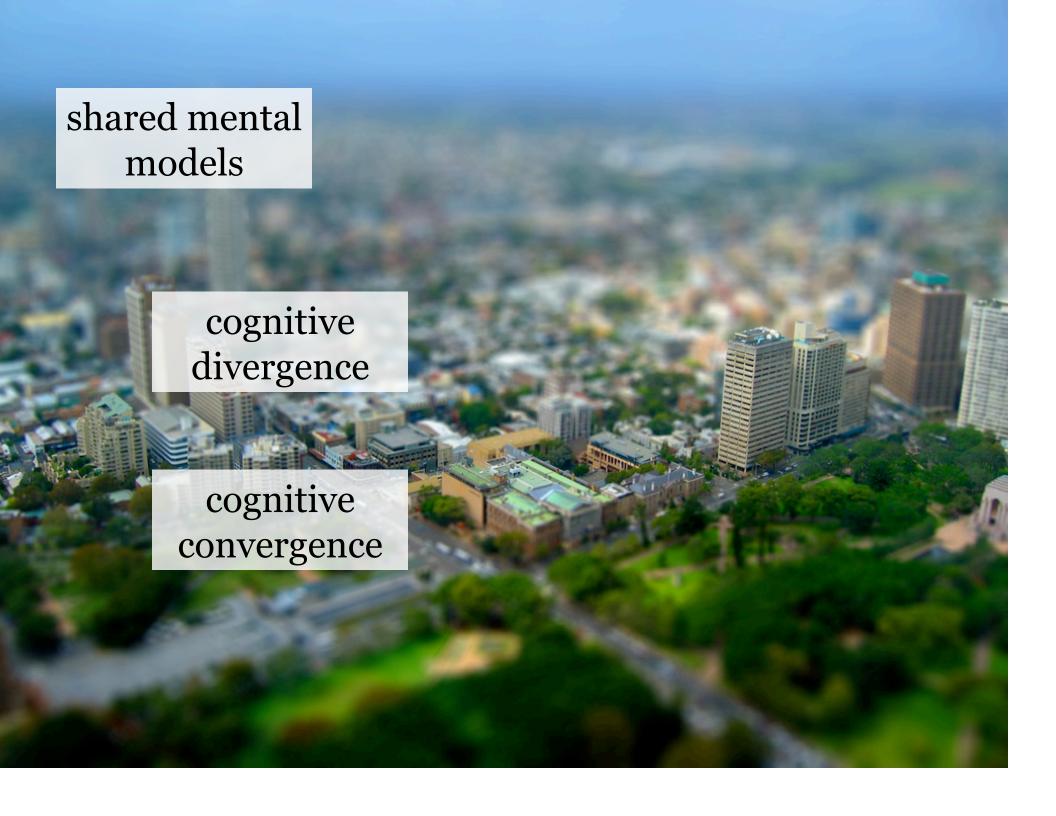
varied aspects of cognition

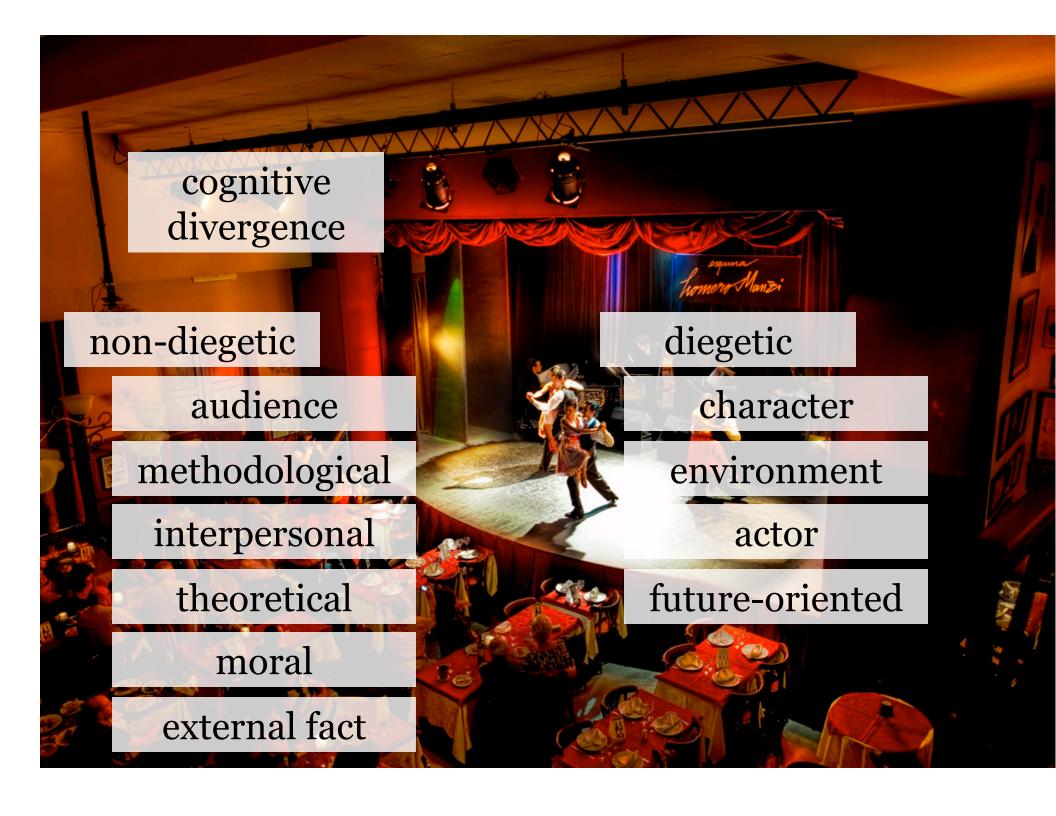
sans explicit coordination

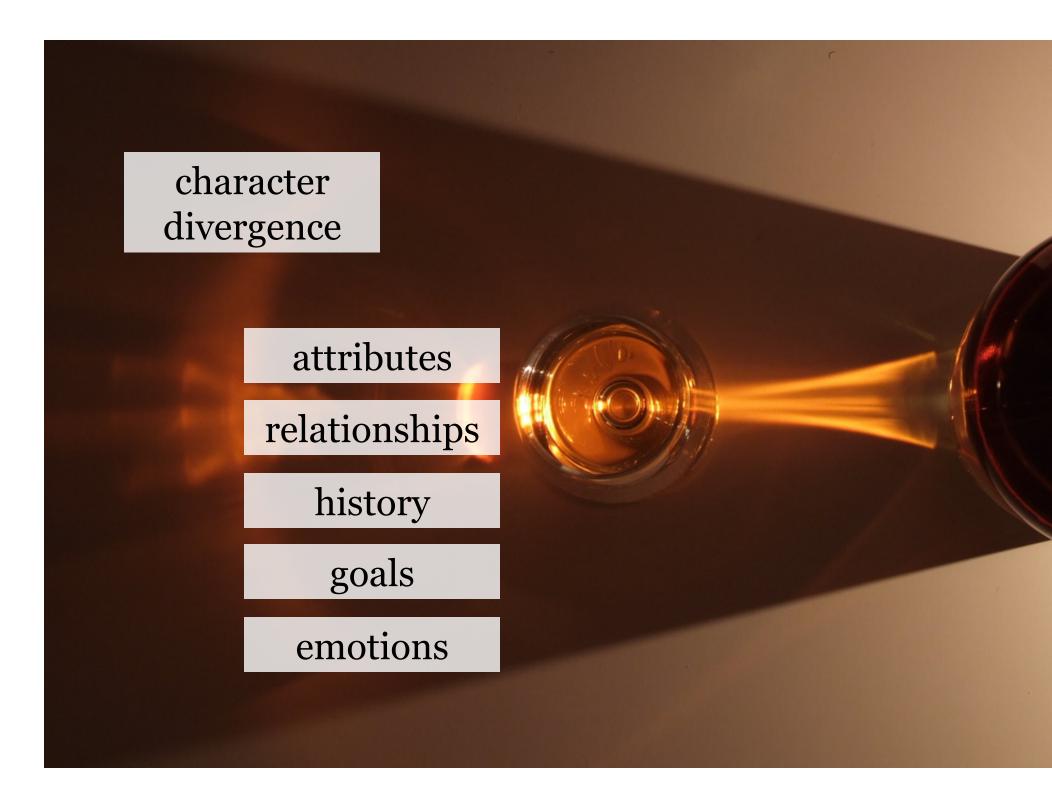
maps to agents











## character divergence

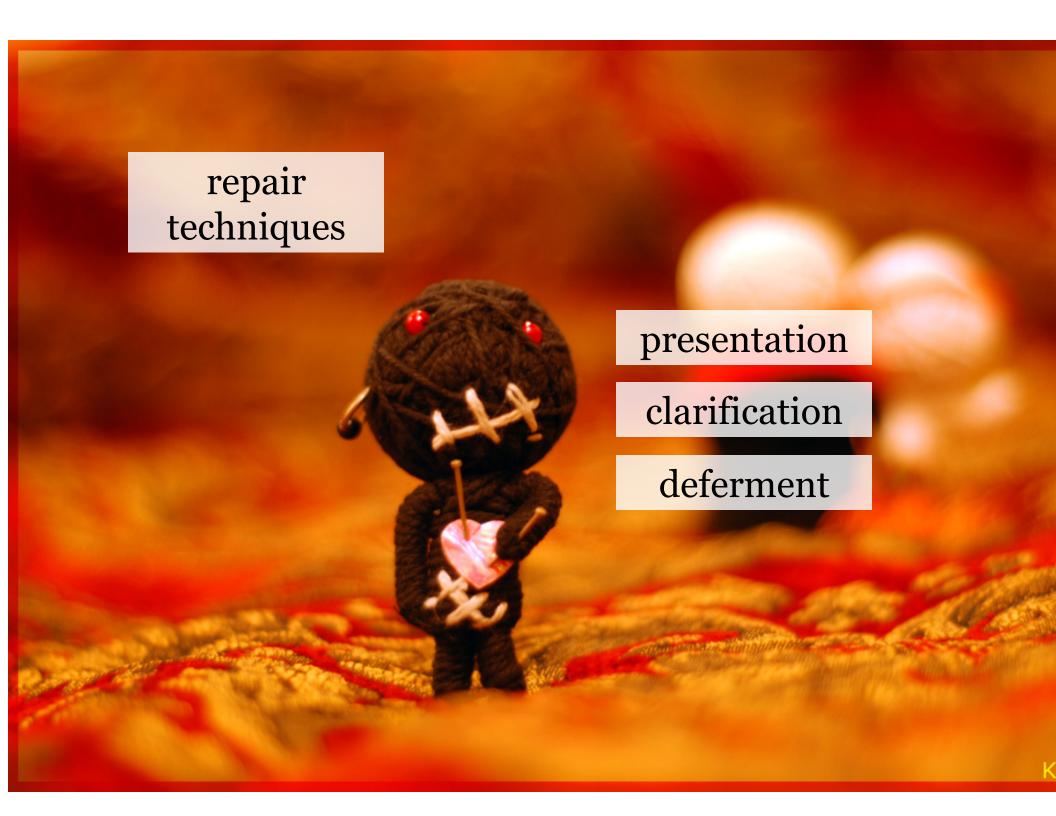


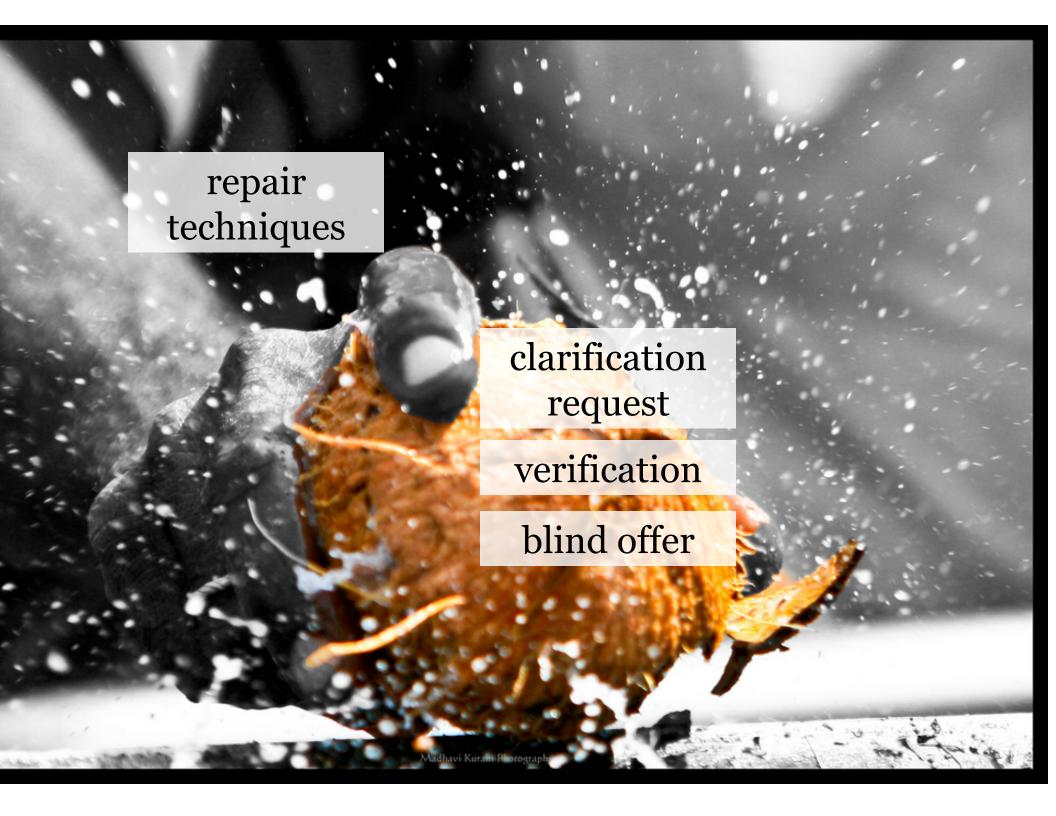


## environmental divergence









### verification and assessment

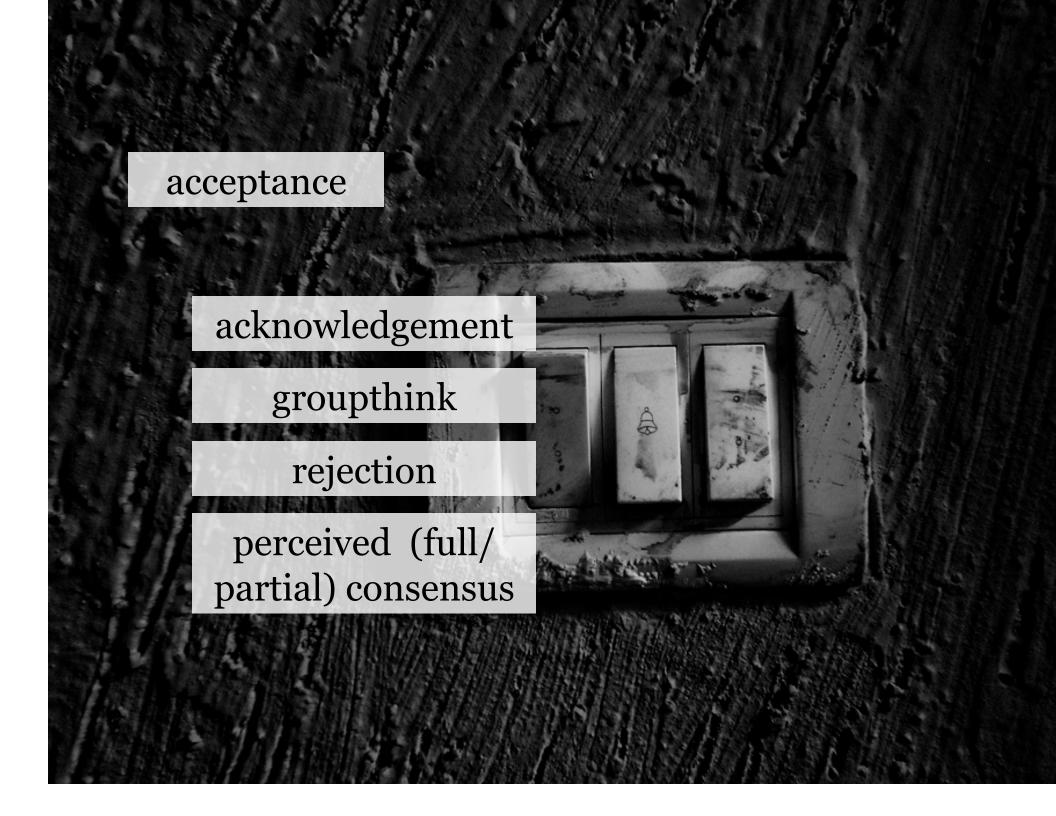


## reverse scaffolding

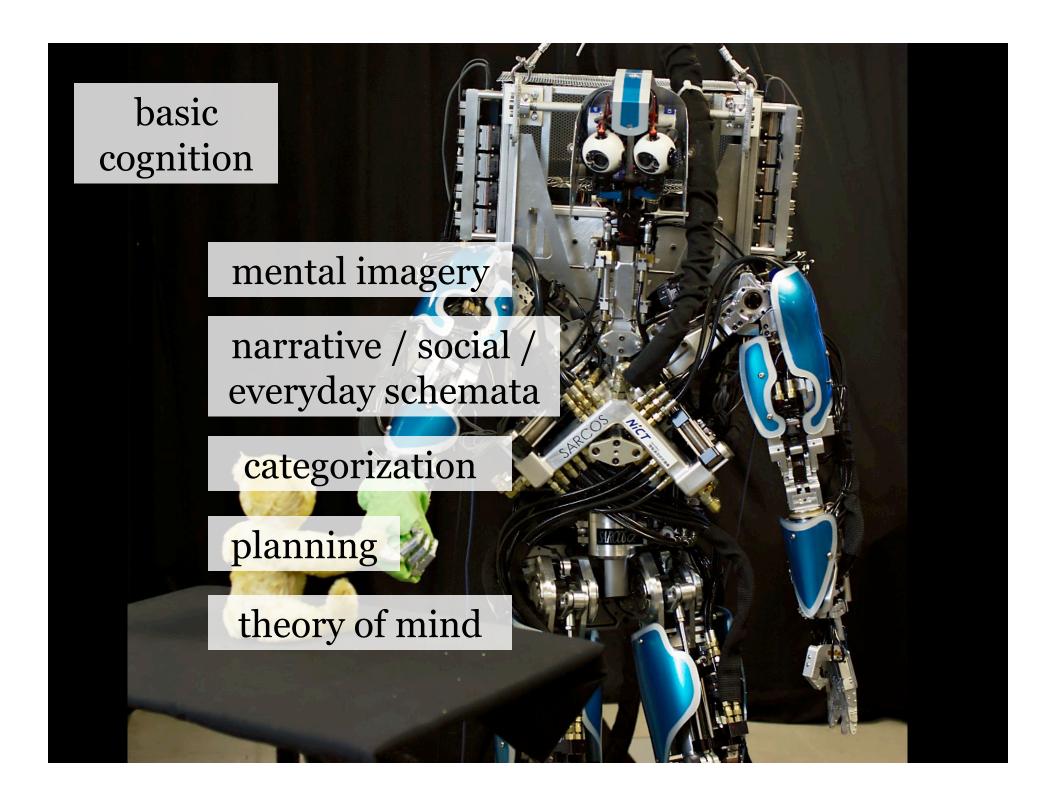


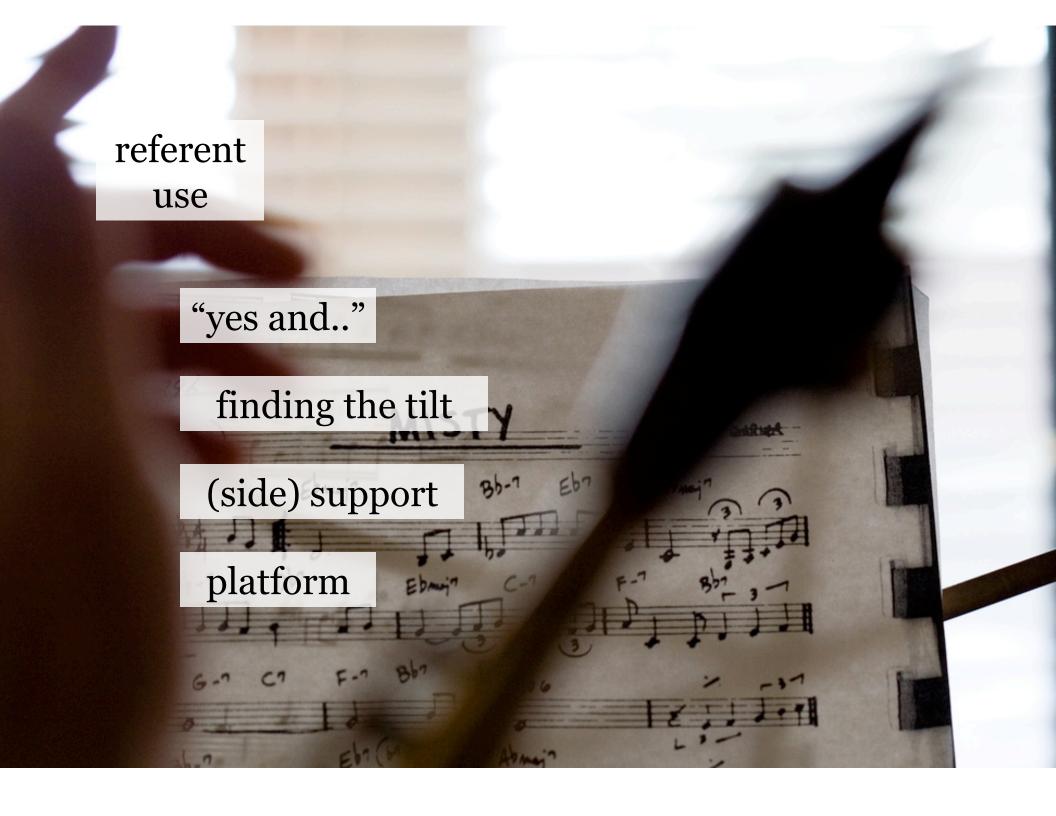
## blind offer

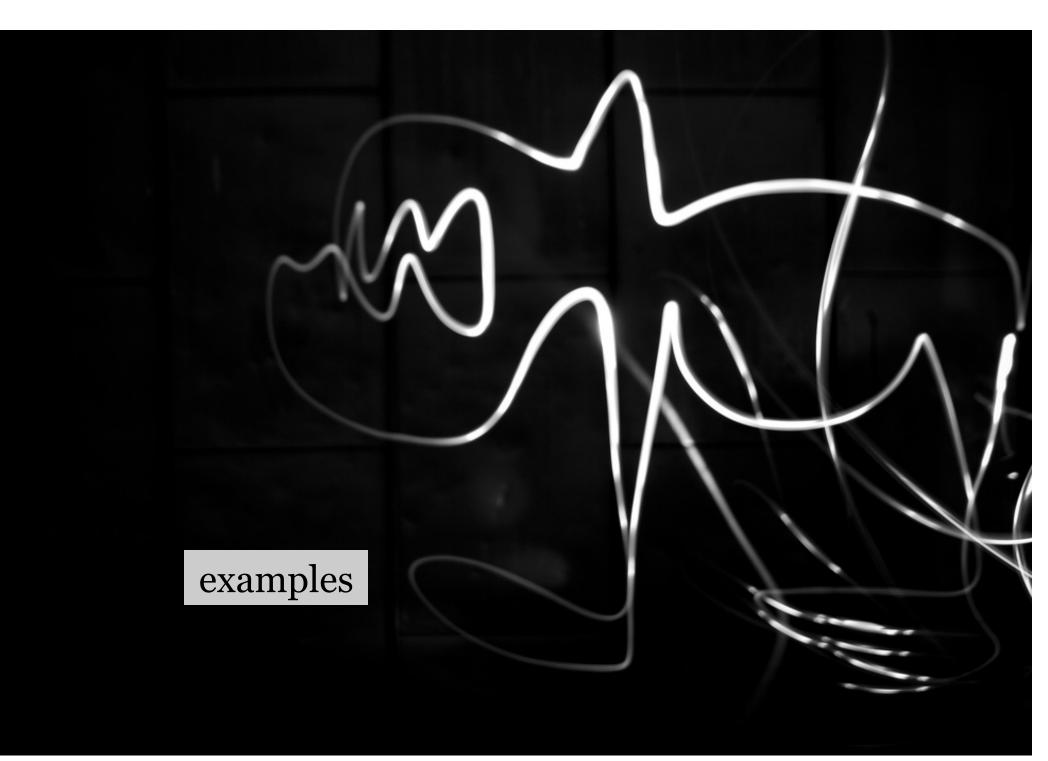




















# basic cognition



narrative



Why / how are offers made and responded to?



shared mental models

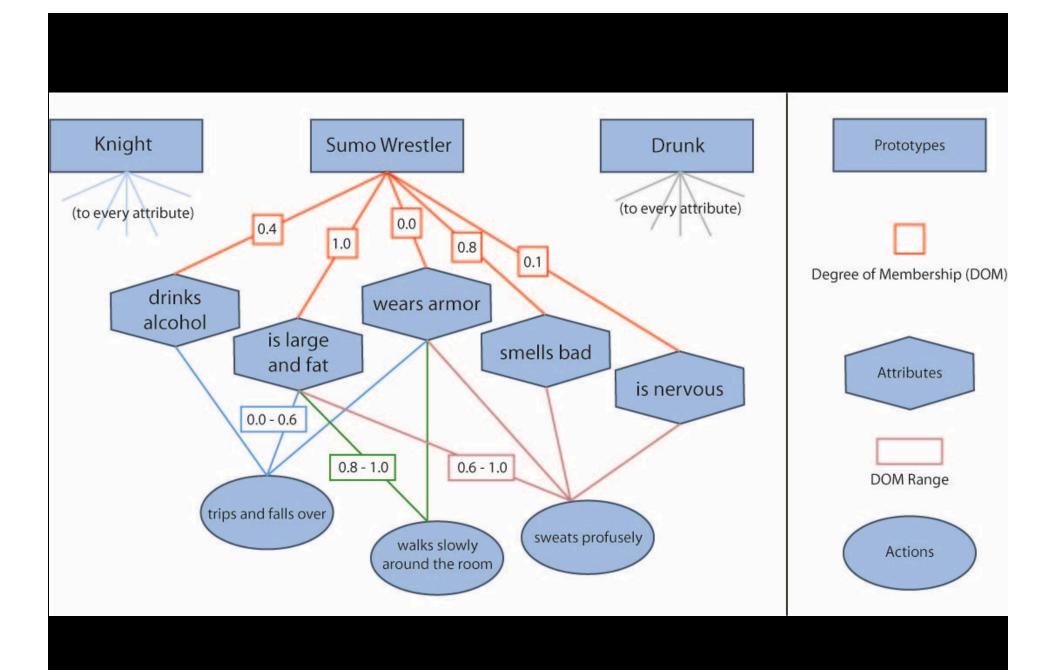


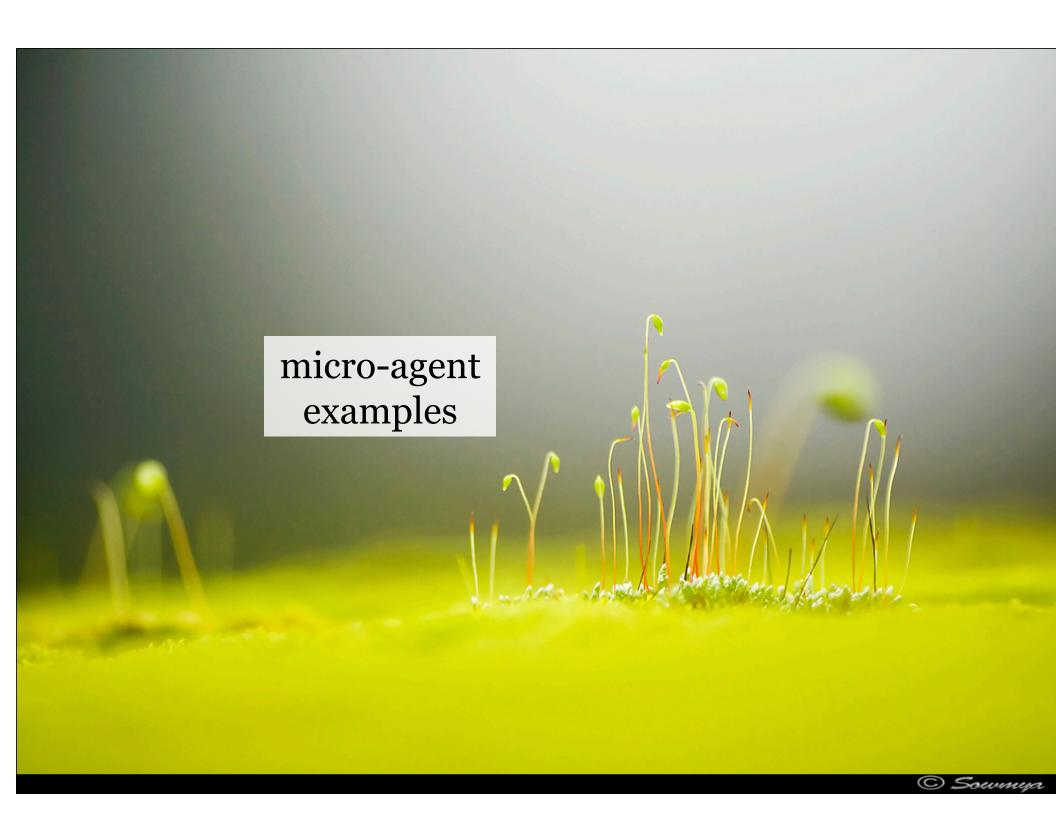
referents

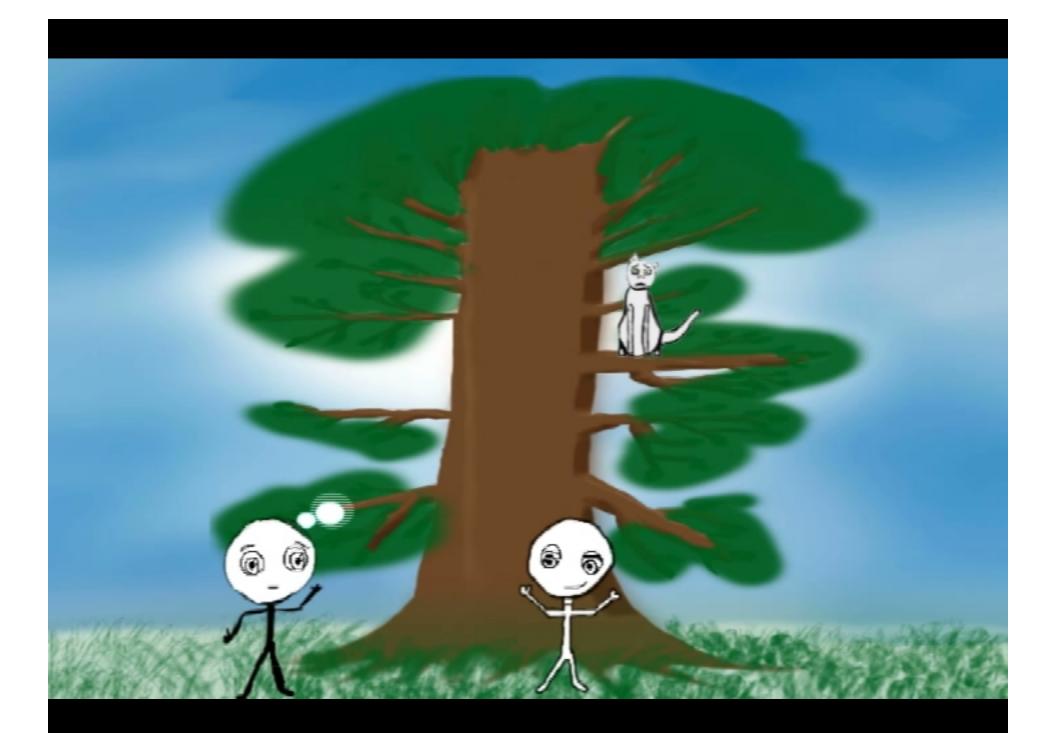




Prototype	Is Strong	Wears Cape	Wears Mask	Wears Armor	ls Naked	Smells Bad
	Description	Apparel	Apparel	Apparel	Apparel	Bodily Feature
Dragon	0.8	0	0	0.8	0.8	0.8
Drunk	0.3	0.1	0.1	0.1	0.7	0.8
Knight	0.7	0.7	0	1	0	0.2
Ninja	0.4	0.2	0.9	0.3	0	0
Pirate	0.4	0.3	0.2	0.3	0.1	0.8
Robot	0.7	0	0	0.9	0.8	0
Sumo Wrestler	0.9	0	0	0	0.9	1
Superhero	1	0.9	0.8	0.4	0.2	0.1
Thief	0.2	0.3	1	0	0	0.1
Vampire	0.7	0.8	0	0.1	0	0
Wizard	0.2	0.7	0.2	0.1	0	0.1
Zombie	0.5	0	0	0	0.2	1

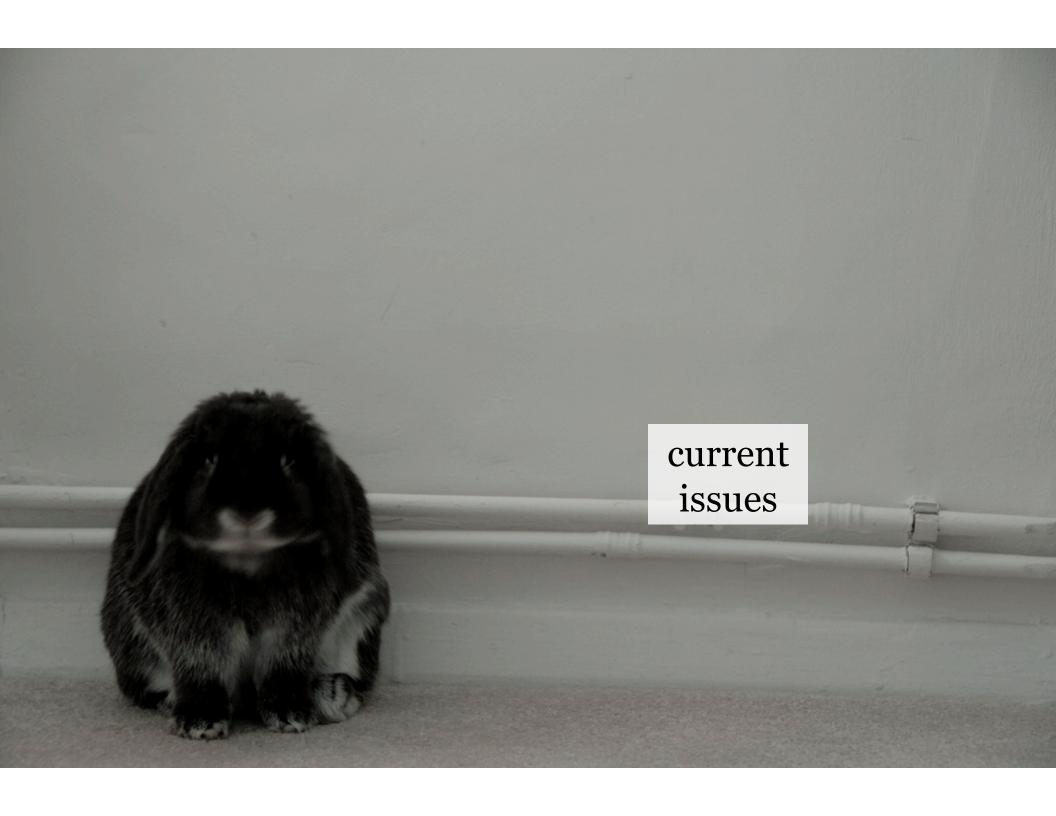








party quirks



why is this a motivating topic?



Improvisation is a constant process of receiving new inputs and producing new outputs

Improvisation is a "continuous and serial process as opposed to one that is "discontinuous and involving iteration," such as music composition

Improvisation involves decision-making based on domain-specific as well as real-world knowledge.

Collaborative improvised pieces (as opposed to solo works) may involve both explicit and implicit communication.

Improvisation is a process of severely constrained human information-processing and action.