

Emotional AI for Expanding Worlds

Stéphane Bura

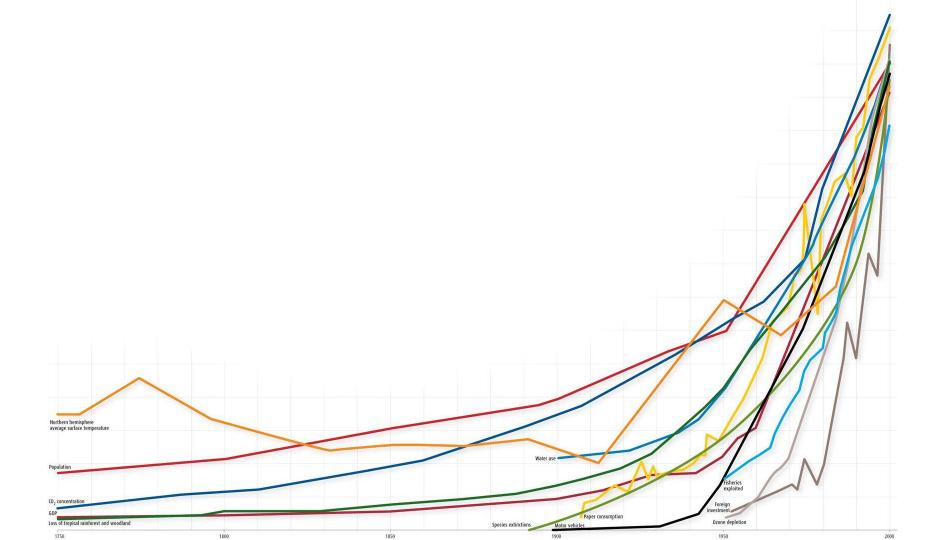














Emotional AI for Expanding Worlds

Stéphane Bura









EXPRESSIVENESS

SCALABILITY



EXPRESSIVENESS













SPEECH

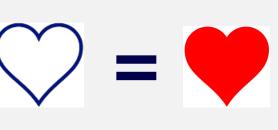


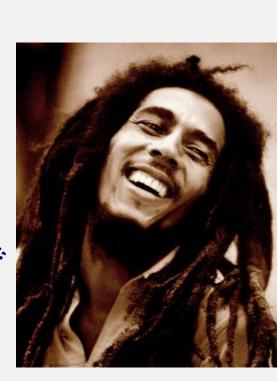


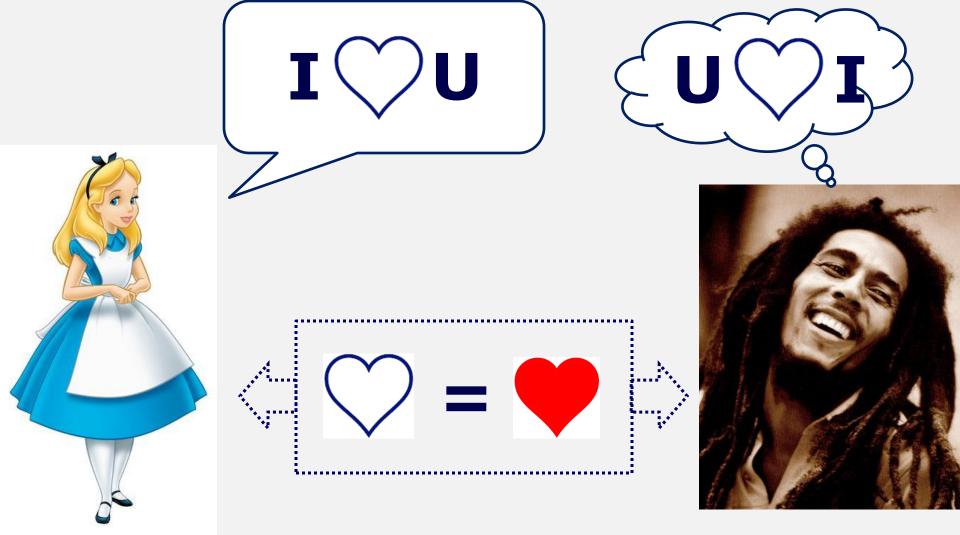


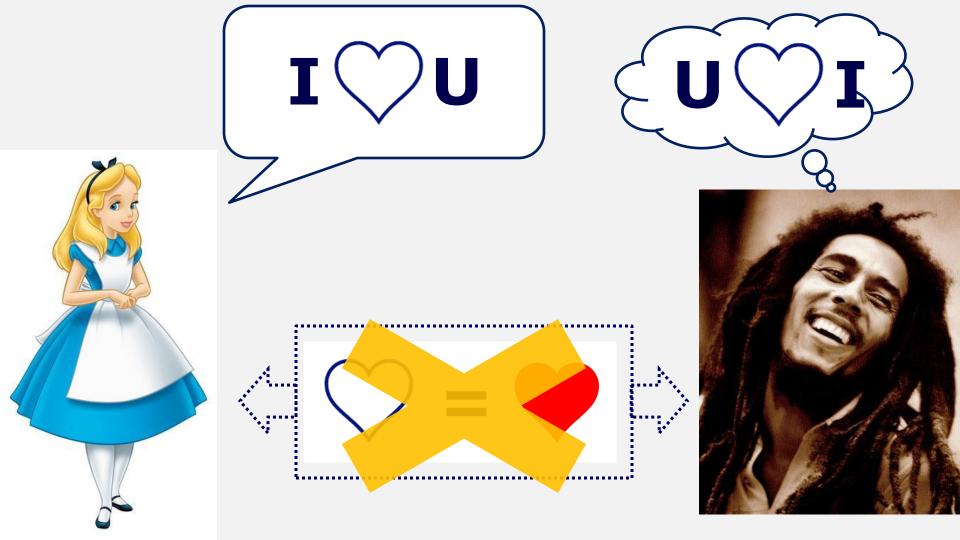












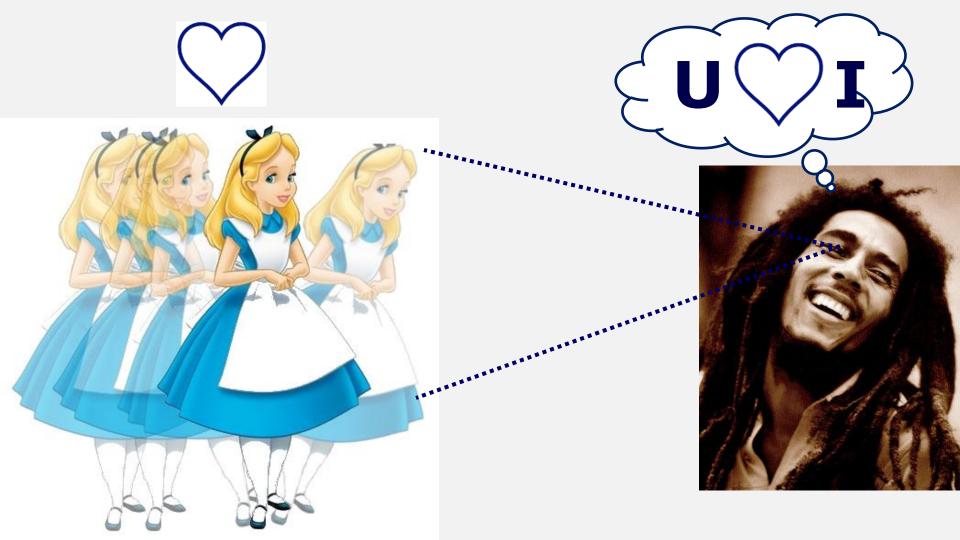
ABSTRACTION

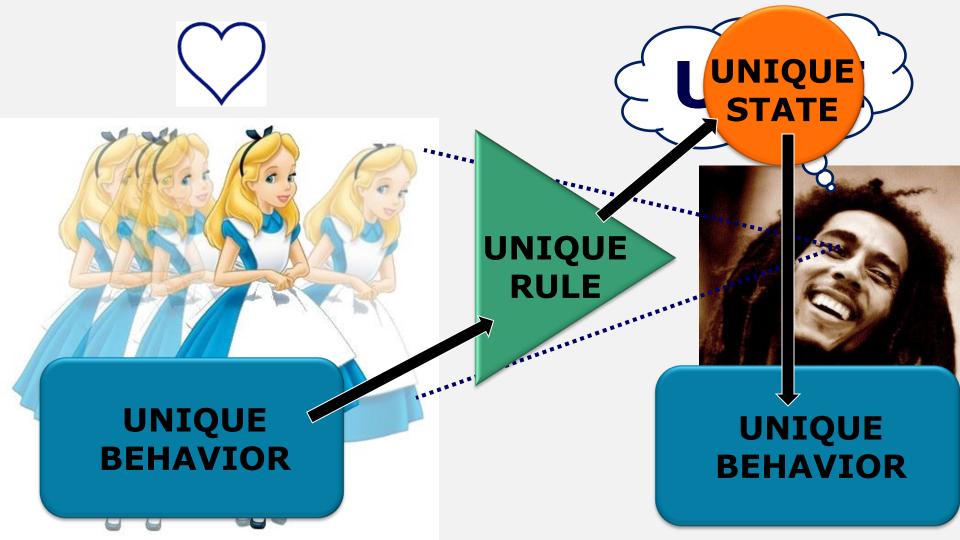


ACTION











INTENTION



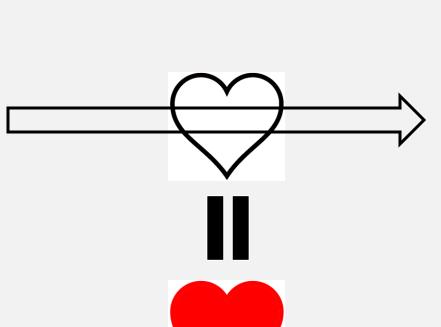


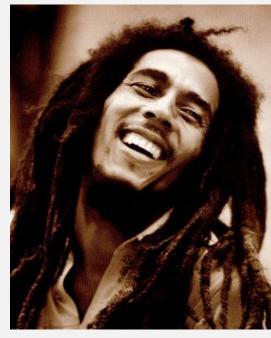








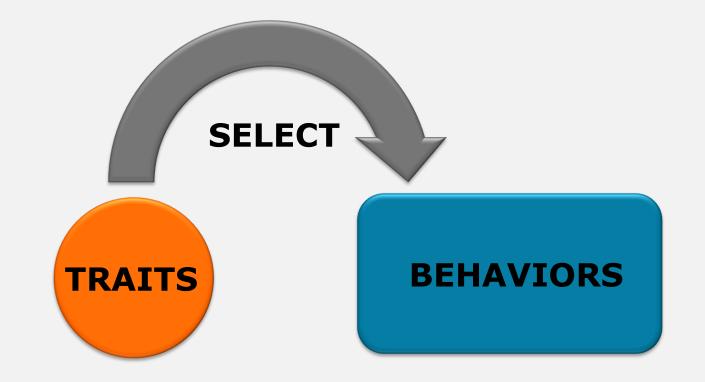


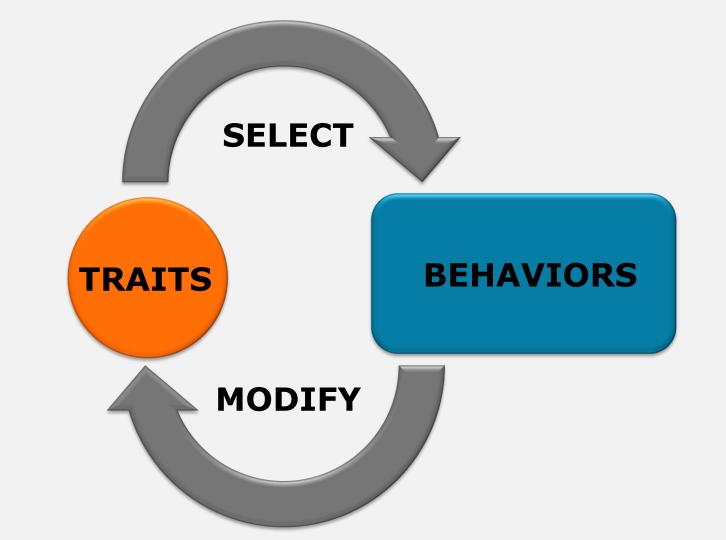


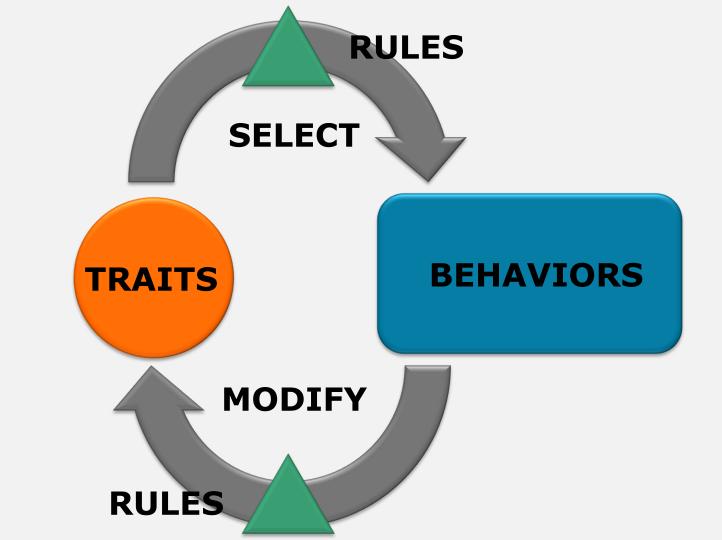
FOR THE OBSERVER



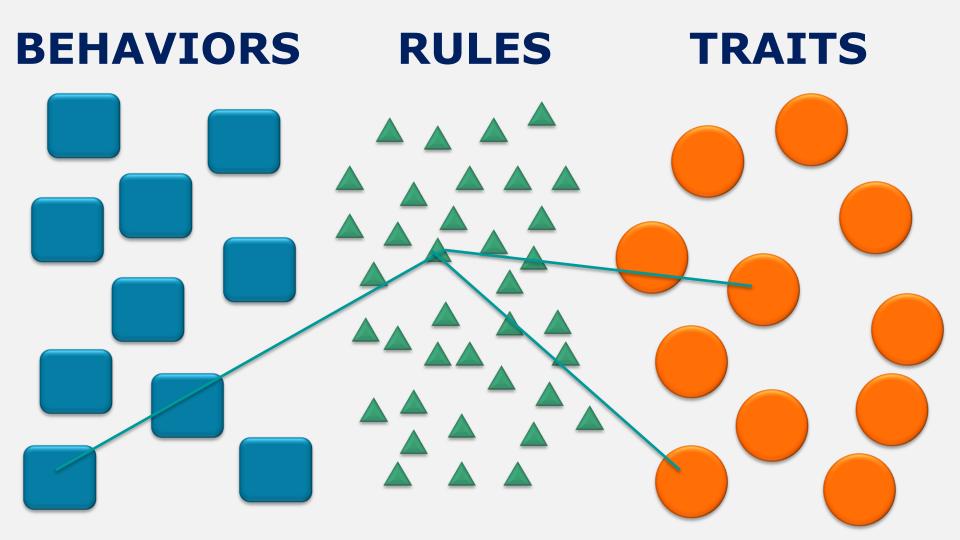
BEHAVIORS

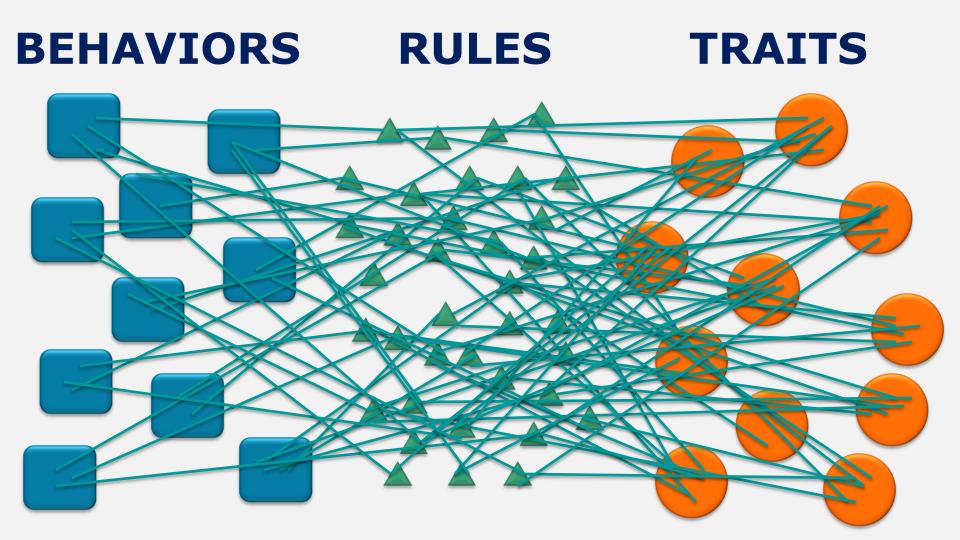






BEHAVIORS RULES TRAITS

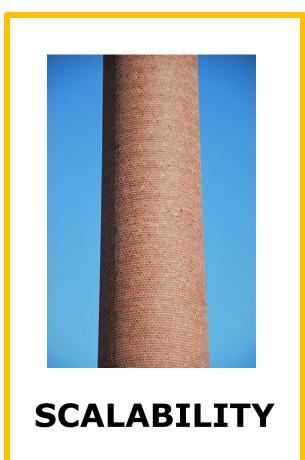


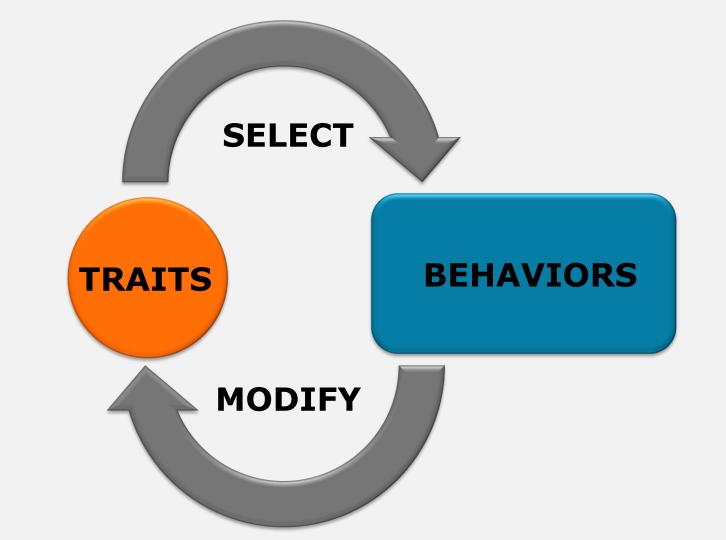


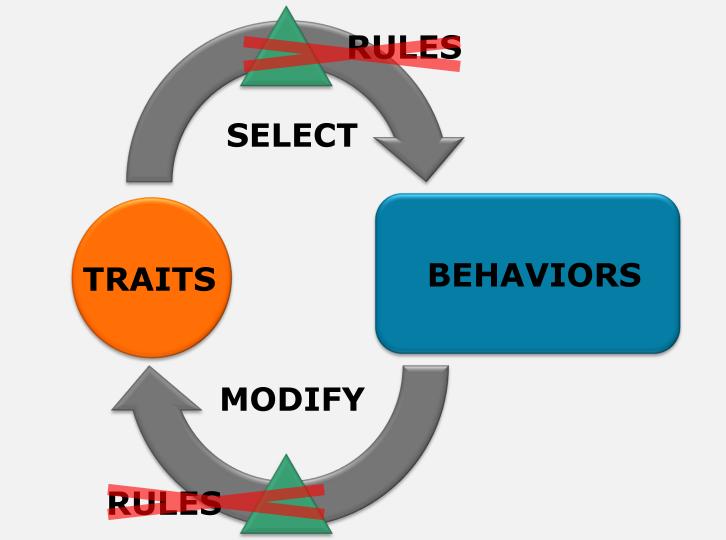




EXPRESSIVENESS



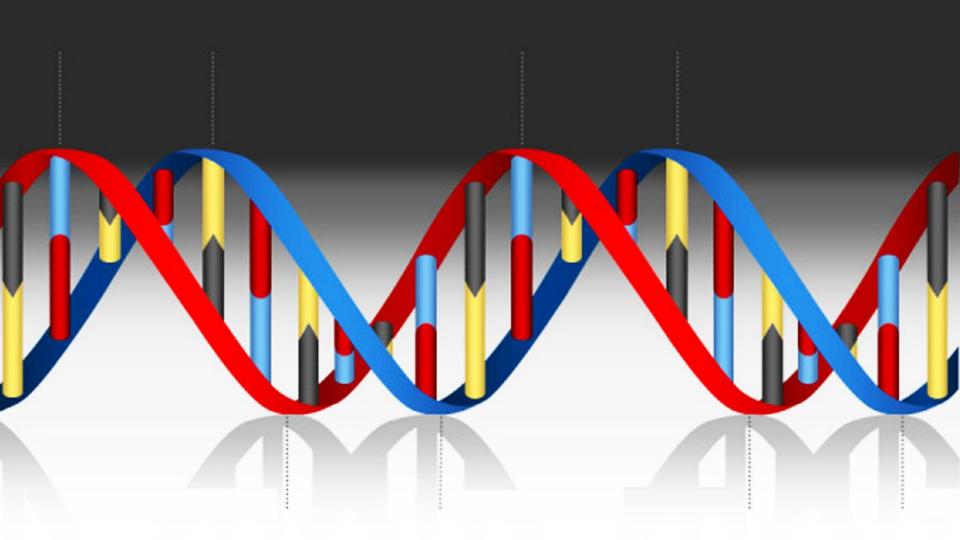


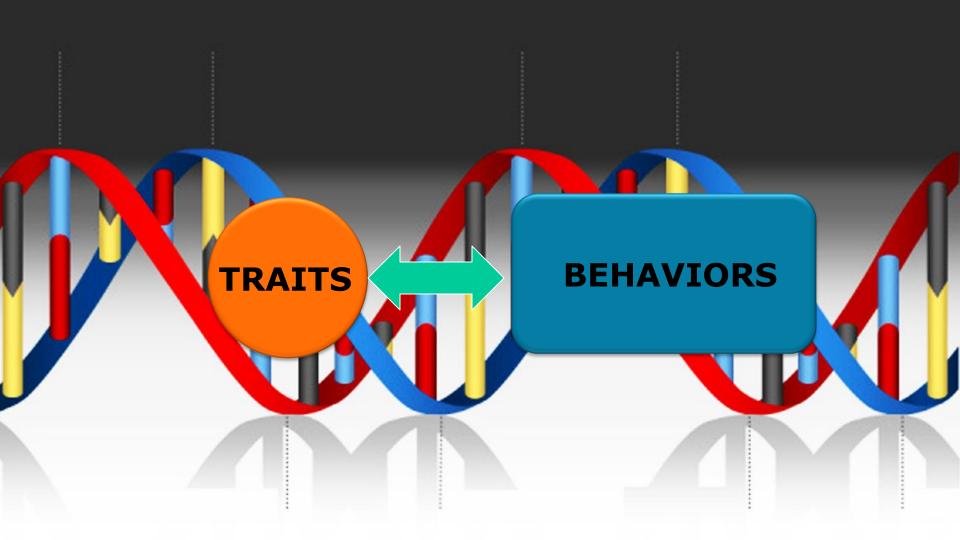






UNIVERSAL ARBITRARY ABSTRACTION





OCEAN MODEL "THE BIG FIVE"

MOTIVATIONAL PSYCHOLOGY

NEUROTICISM

CONSCIENTIOUSNESS

AGREEABLENESS

OCEAN MODEL "THE BIG FIVE"

OPENNESS

EXTRAVERSION

NEUROTICISM

ANXIETY

ANGER

DEPRESSION

SELF-CONSCIOUSNESS

IMMODERATION

VULNERABILITY

EXTRAVERSION

FRIENDLINESS

GREGARIOUSNESS

ASSERTIVENESS

ACTIVITY LEVEL

EXCITEMENT-SEEKING

CHEERFULNESS

OPENNESS

IMAGINATION

ARTISTIC INTERESTS

EMOTIONALITY

ADVENTUROUSNESS

INTELLECT

LIBERALISM

AGREEABLENESS

TRUST

MORALITY

ALTRUISM

COOPERATION

MODESTY

SYMPATHY

CONSCIENTIOUSNESS

SELF-EFFICACY

ORDERLINESS

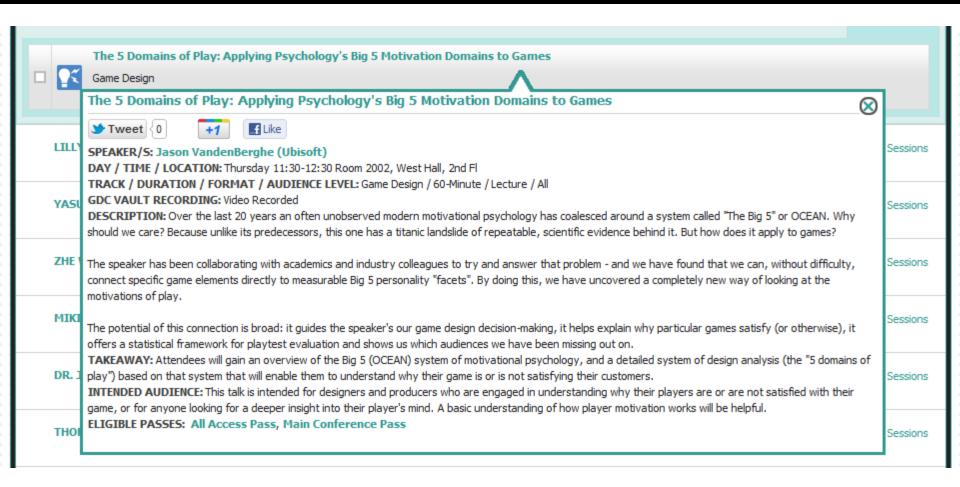
DUTIFULNESS

ACHIEVEMENT-STRIVING

SELF-DISCIPLINE

CAUTIOUSNESS

OCEAN MODEL "THE BIG FIVE"



NEUROTICISM

ANXIETY ANGER

DEPRESSION

SELF-CONSCIOUSNESS

IMMODERATION VULNERABILITY

EXTRAVERSION

FRIENDLINESS
GREGARIOUSNESS

ASSERTIVENESS

ACTIVITY LEVEL

EXCITEMENT-SEEKING

CHEERFULNESS

OPENNESS

IMAGINATION

ARTISTIC INTERESTS

EMOTIONALITY

ADVENTUROUSNESS

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TRUST

MORALITY

ALTRUISM

COOPERATION

MODESTY SYMPATHY

CONSCIENTIOUSNESS

SELF-EFFICACY ORDERLINESS

DUTIFULNESS

ACHIEVEMENT-STRIVING

SELF-DISCIPLINE

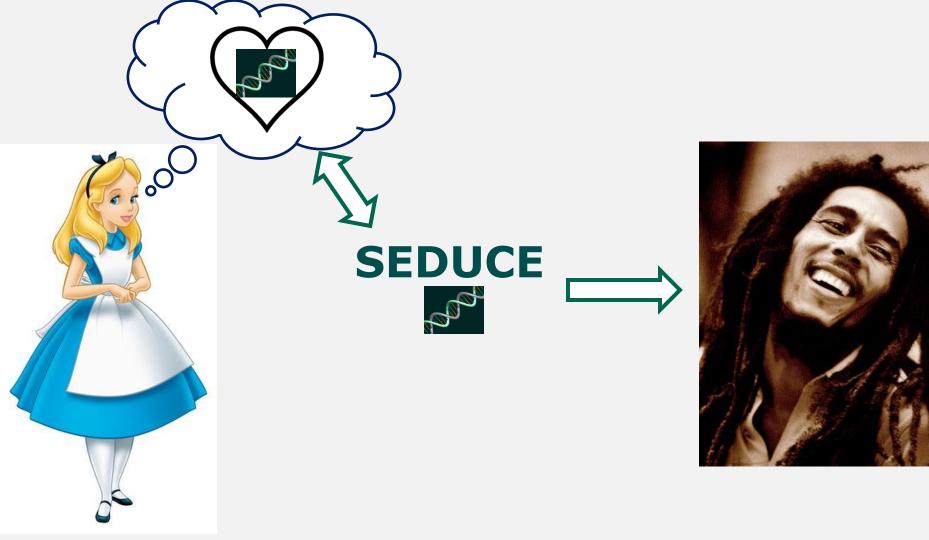
CAUTIOUSNESS

NEUROTICISM	= 1	AGREEABLENESS	+1
ANXIETY		TRUST	+1
ANGER		MORALITY	
DEPRESSION		ALTRUISM	+1
SELF-CONSCIOUSNESS	-1	COOPERATION	
IMMODERATION	+1	MODESTY	
VULNERABILITY		SYMPATHY	+2
EXTRAVERSION	+1	CONSCIENTIOUSNESS	
FRIENDLINESS		SELF-EFFICACY	
GREGARIOUSNESS		ORDERLINESS	
ASSERTIVENESS		DUTIFULNESS	
ACTIVITY LEVEL		ACHIEVEMENT-STRIVING	
EXCITEMENT-SEEKING		SELF-DISCIPLINE	-2
CHEERFULNESS		CAUTIOUSNESS	-1
OPENNESS	+1		
IMAGINATION			
ARTISTIC INTERESTS			
EMOTIONALITY	+2		
ADVENTUROUSNESS	+1		VE
INTELLECT		L	JV E
LIBERALISM			

NEUROTICISM	-1	AGREEABLENESS	+2
ANXIETY		TRUST	
ANGER		MORALITY	
DEPRESSION		ALTRUISM	
SELF-CONSCIOUSNESS		COOPERATION	
IMMODERATION	+1	MODESTY	-2
VULNERABILITY		SYMPATHY	+1
EXTRAVERSION	+1	CONSCIENTIOUSNESS	
FRIENDLINESS	+1	SELF-EFFICACY	
GREGARIOUSNESS	+2	ORDERLINESS	
ASSERTIVENESS	+1	DUTIFULNESS	
ACTIVITY LEVEL		ACHIEVEMENT-STRIVING	+1
EXCITEMENT-SEEKING	+1	SELF-DISCIPLINE	+1
CHEERFULNESS		CAUTIOUSNESS	
OPENNESS	+2		
IMAGINATION			
ARTISTIC INTERESTS			
EMOTIONALITY	+2		
ADVENTUROUSNESS	+1	SEDUCE	
INTELLECT		SLUCL	
LIBERALISM			

NEUROTICISM	-1		AGREEABLENESS	+2	+1
ANXIETY			TRUST		+1
ANGER			MORALITY		
DEPRESSION			ALTRUISM		+1
SELF-CONSCIOUSNESS		-1	COOPERATION		
IMMODERATION	+1	+1	MODESTY	-2	
VULNERABILITY			SYMPATHY	+1	+2
EXTRAVERSION	+1	+1	CONSCIENTIOUSNESS		
FRIENDLINESS	+1		SELF-EFFICACY		
GREGARIOUSNESS	+2		ORDERLINESS		
ASSERTIVENESS	+1		DUTIFULNESS		
ACTIVITY LEVEL			ACHIEVEMENT-STRIVING	+1	
EXCITEMENT-SEEKING	+1		SELF-DISCIPLINE	+1	-2
CHEERFULNESS			CAUTIOUSNESS		-1
OPENNESS	+2	+1			
IMAGINATION					
ARTISTIC INTERESTS					
EMOTIONALITY	+2	+2			
ADVENTUROUSNESS	+1	+1	SEDUCE L		
INTELLECT			SEDUCE L		
LIBERALISM					

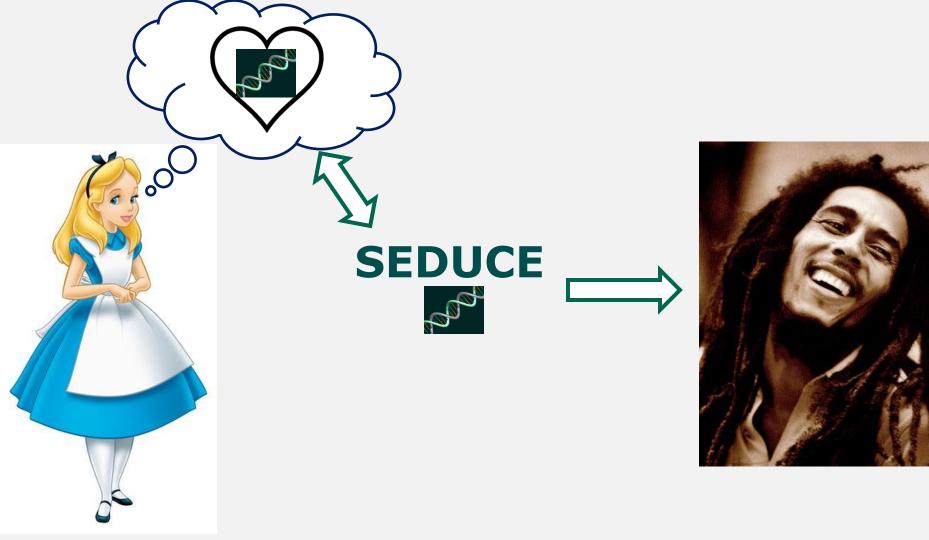
NEUROTICISM	-1		AGREEABLENESS	+2	+1
ANXIETY			TRUST		+1
ANGER			MORALITY		
DEPRESSION			ALTRUISM		+1
SELF-CONSCIOUSNESS		-1	COOPERATION		
IMMODERATION	+1	+1	MODESTY	-2	
VULNERABILITY			SYMPATHY	+1	+2
EXTRAVERSION	+1	+1	CONSCIENTIOUSNESS		
FRIENDLINESS	+1		SELF-EFFICACY		
GREGARIOUSNESS	+2		ORDERLINESS		
ASSERTIVENESS	+1		DUTIFULNESS		
ACTIVITY LEVEL			ACHIEVEMENT-STRIVING	+1	
EXCITEMENT-SEEKING	+1		SELF-DISCIPLINE	+1	-2
CHEERFULNESS		_	CAUTIOUSNESS		-1
OPENNESS	+2	+1			
IMAGINATION					
ARTISTIC INTERESTS					
EMOTIONALITY	+2	+2			
ADVENTUROUSNESS	+1	+1	SEDUCE L		<i> </i>
INTELLECT					
LIBERALISM					

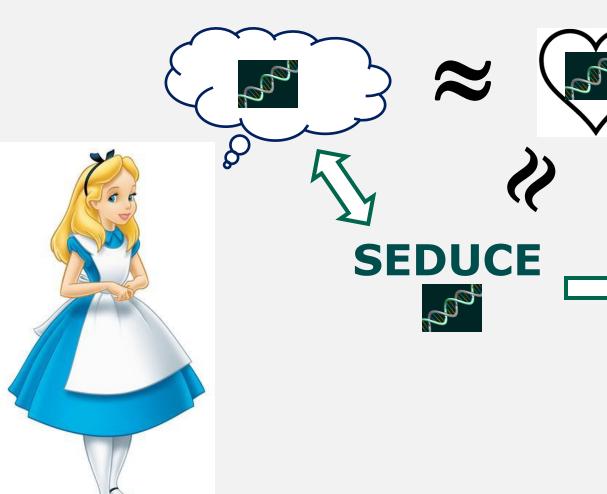


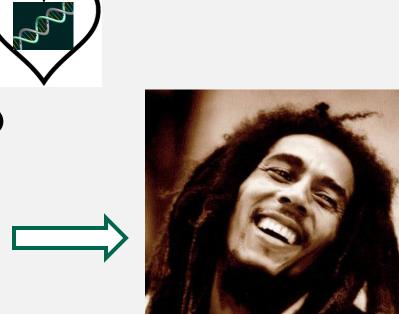
NEUROTICISM	+1	AGREEABLENESS	
ANXIETY	+1	TRUST	
ANGER		MORALITY	
DEPRESSION		ALTRUISM	
SELF-CONSCIOUSNESS	+2	COOPERATION	
IMMODERATION		MODESTY	+2
VULNERABILITY	+1	SYMPATHY	
EXTRAVERSION	-2	CONSCIENTIOUSNESS	
FRIENDLINESS		SELF-EFFICACY	
GREGARIOUSNESS	-2	ORDERLINESS	
ASSERTIVENESS	-2	DUTIFULNESS	
ACTIVITY LEVEL	-1	ACHIEVEMENT-STRIVING	
EXCITEMENT-SEEKING	-1	SELF-DISCIPLINE	+2
CHEERFULNESS		CAUTIOUSNESS	+1
OPENNESS			
IMAGINATION			
ARTISTIC INTERESTS			
EMOTIONALITY	-2		
ADVENTUROUSNESS	-1		SHY
INTELLECT			ЭПІ
LIBERALISM			

NEUROTICISM	-1	+1	AGREEABLENESS	+2	
ANXIETY		+1	TRUST		
ANGER			MORALITY		
DEPRESSION			ALTRUISM		
SELF-CONSCIOUSNESS		+2	COOPERATION		
IMMODERATION	+1		MODESTY	-2	+2
VULNERABILITY		+1	SYMPATHY	+1	
EXTRAVERSION	+1	-2	CONSCIENTIOUSNESS		
FRIENDLINESS	+1		SELF-EFFICACY		
GREGARIOUSNESS	+2	-2	ORDERLINESS		
ASSERTIVENESS	+1	-2	DUTIFULNESS		
ACTIVITY LEVEL		-1	ACHIEVEMENT-STRIVING	+1	
EXCITEMENT-SEEKING	+1	-1	SELF-DISCIPLINE	+1	+2
CHEERFULNESS			CAUTIOUSNESS		+1
OPENNESS	+2				
IMAGINATION					
ARTISTIC INTERESTS					
EMOTIONALITY	+2	-2			
ADVENTUROUSNESS	+1	-1	SEDUCE	CL	V
INTELLECT			SEDUCE		
LIBERALISM					

NEUROTICISM	-1	+1	AGREEABLENESS	+2	
ANXIETY		+1	TRUST		
ANGER			MORALITY		
DEPRESSION			ALTRUISM		
SELF-CONSCIOUSNESS		+2	COOPERATION		
IMMODERATION	+1		MODESTY	-2	+2
VULNERABILITY		+1	SYMPATHY	+1	
EXTRAVERSION	+1	-2	CONSCIENTIOUSNESS		
FRIENDLINESS	+1		SELF-EFFICACY		
GREGARIOUSNESS	+2	-2	ORDERLINESS		
ASSERTIVENESS	+1	-2	DUTIFULNESS		
ACTIVITY LEVEL		-1	ACHIEVEMENT-STRIVING	+1	
EXCITEMENT-SEEKING	+1	-1	SELF-DISCIPLINE	+1	+2
CHEERFULNESS			CAUTIOUSNESS		+1
OPENNESS	+2				
IMAGINATION					
ARTISTIC INTERESTS					
EMOTIONALITY	+2	-2			
ADVENTUROUSNESS	+1	-1	SEDUCE :	CU'	V
INTELLECT			SEDUCE	3 11	
LIBERALISM					



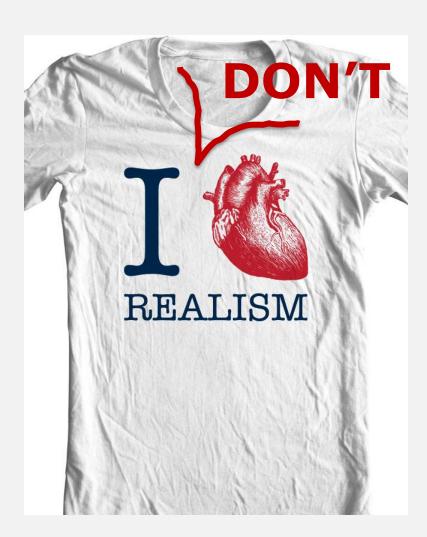




MULTI-ATTRIBUTE UTILITY

ATTRIBUTES ARE ALL COMPARABLE

SHARED SCALES





THE ILLUSION OF INNER LIFE

• HEURISTICS

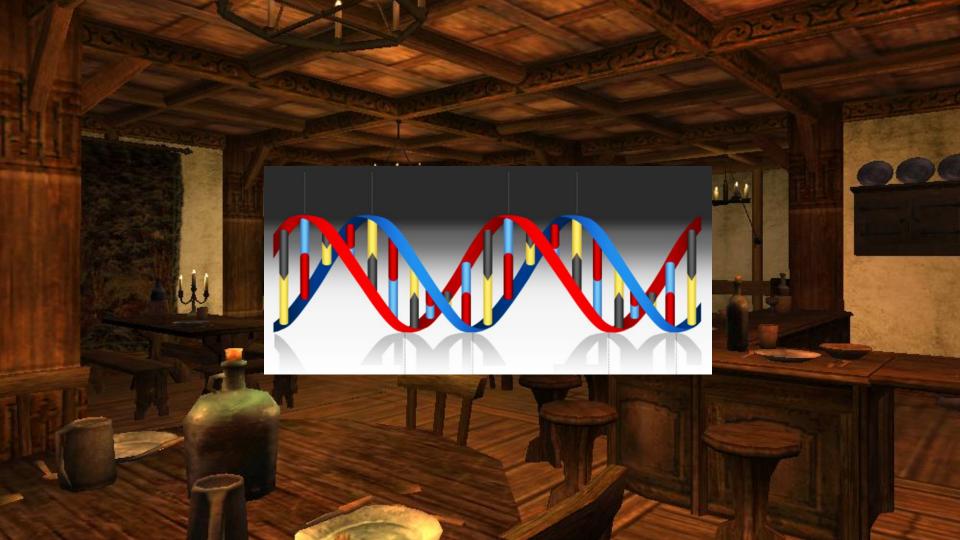
(e.g. CATEGORY PRIORITIES, LIKE IMMEDIATENESS)

DEEPER DNA COMPARISONS

(e.g. TO COMPUTE WHAT A CHARACTER THINKS OF ANOTHER CHARACTER'S TRAITS)

• COMPLEX BEHAVIORS THAT SIMULATE SOCIAL PROTOCOLS

(SMART OBJECTS)









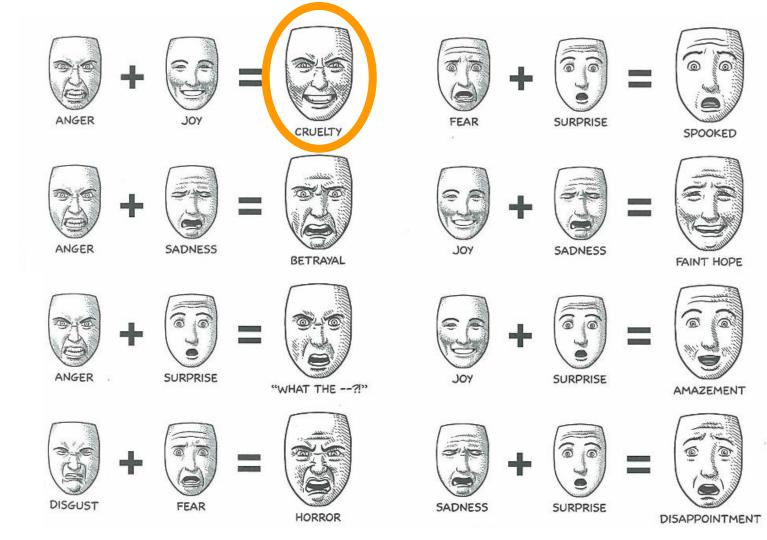




EXPRESSIVENESS







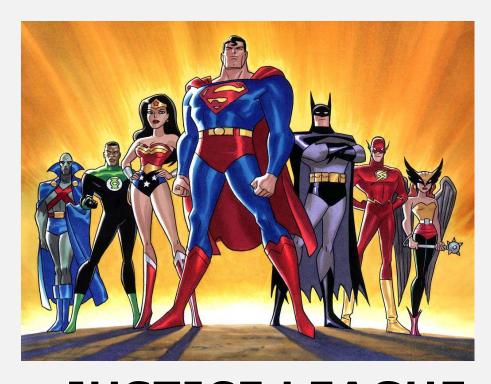


TRAIT COMPONENTS CAN QUALIFY:

- BEHAVIORS
- CHARACTER TRAITS
- CHARACTER MOODS
- RELATIONSHIPS
- CHARACTER GOALS AND NEEDS
- CHARACTER GROUPS / FACTIONS
- LOCATIONS / AMBIANCES
- ITEMS & GAME EFFECTS' PROPERTIES

• ...

BLADE OF COURAGE



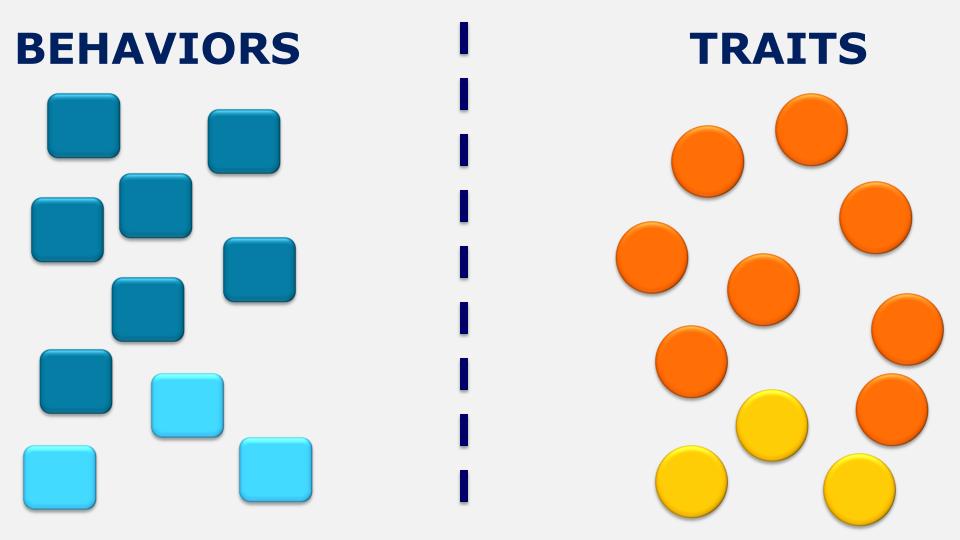
JUSTICE LEAGUE



SCALABILITY

BEHAVIORS RULES TRAITS

BEHAVIORS TRAITS



NEXT STEPS:

- PLANNING
- NEGOTIATION

STEPHANE@STORYBRICKS.COM

