



Outline of History

Tribal Empire Planetary

Farming Renaissance

11,000 BCE

1500 CE

Planetary Era

Occupational Diversity

Agriculture

Hunting & Gathering

Kinship Orality

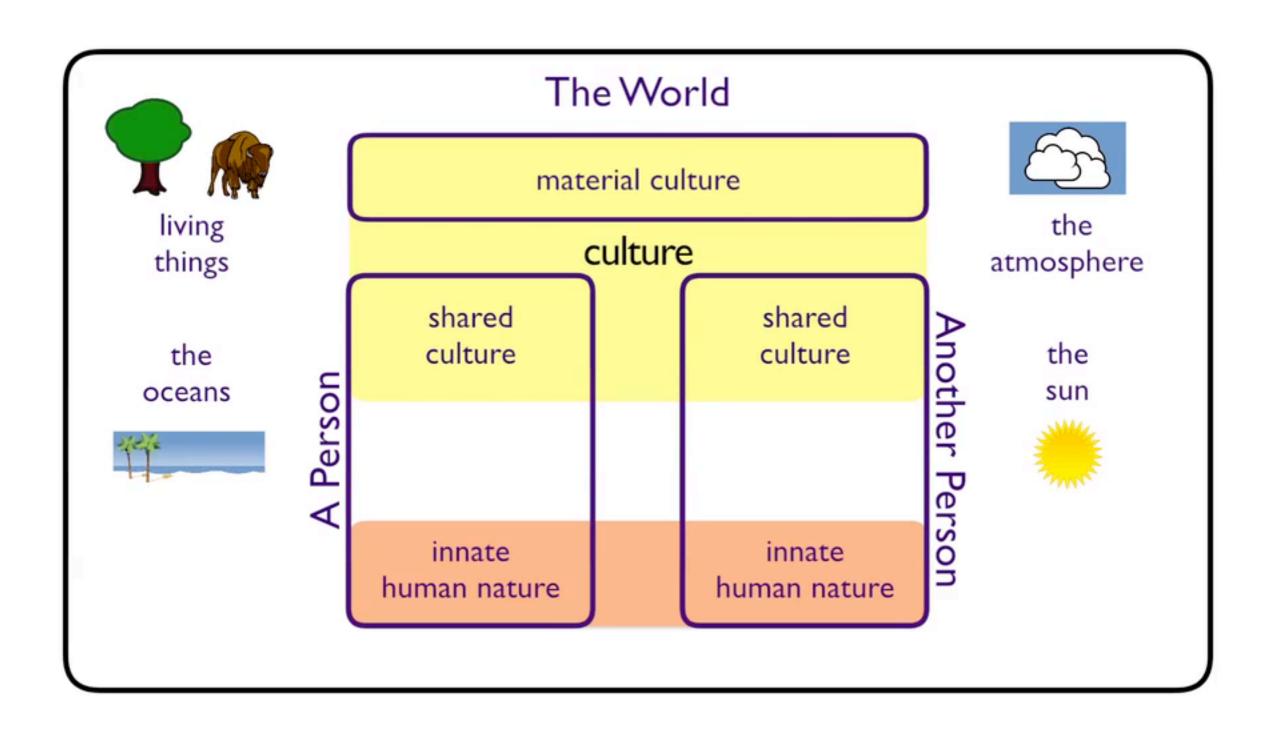
Hierarchy

Writing

Consensual
Collaboration

Multi-media
Telecommunications

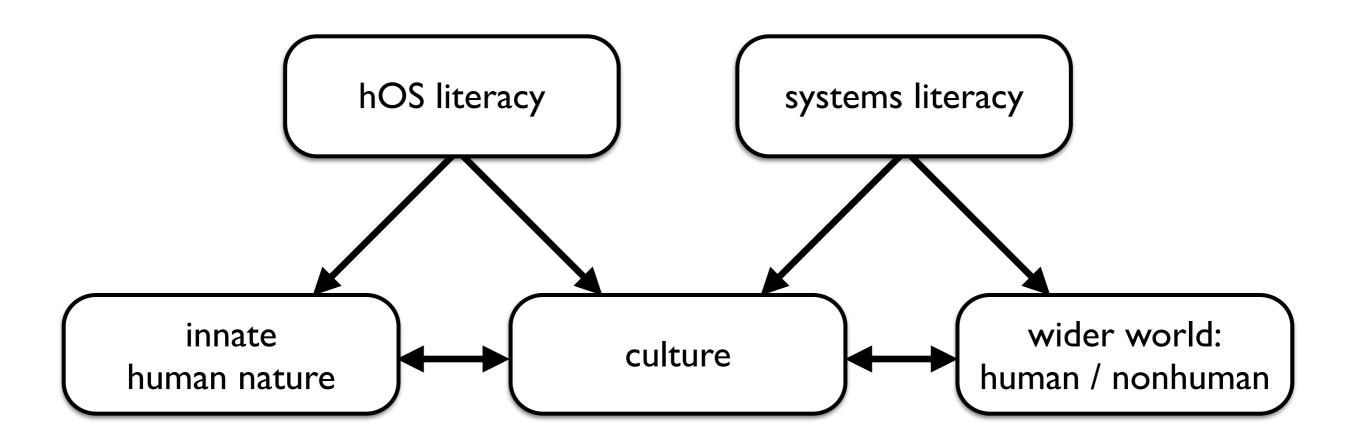
Culture As Interface



Culture As Interface



Two Literacies





Feature Phone

User Point-of-View

built-in apps

hardware

Feature Phone

Developer Point-of-View

```
built-in
apps
operating system
hardware
```

Feature Phone

built-in
apps
operating system
hardware



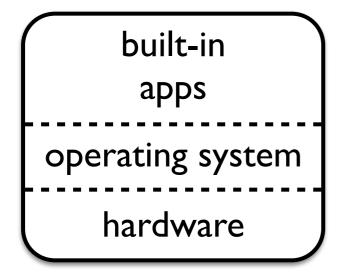


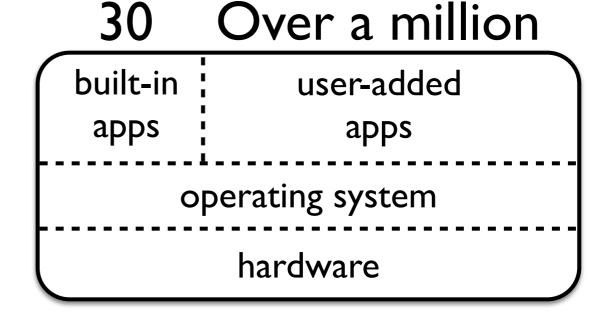




Feature Phone

Smart Phone





Feature Phone

Smart Phone

instinctive
behaviors
"operating system"
physical body

instinctive learned behaviors behaviors and knowledge

"operating system" (hOS)

physical body

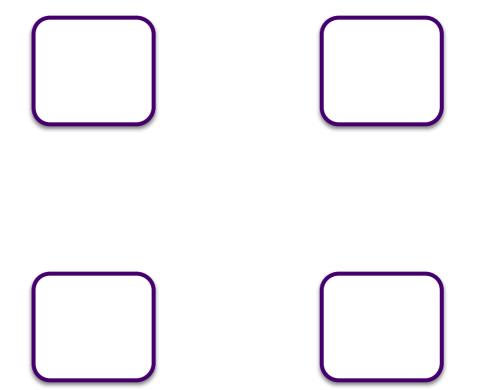
Many Animals

Humans

Working Memory Experience

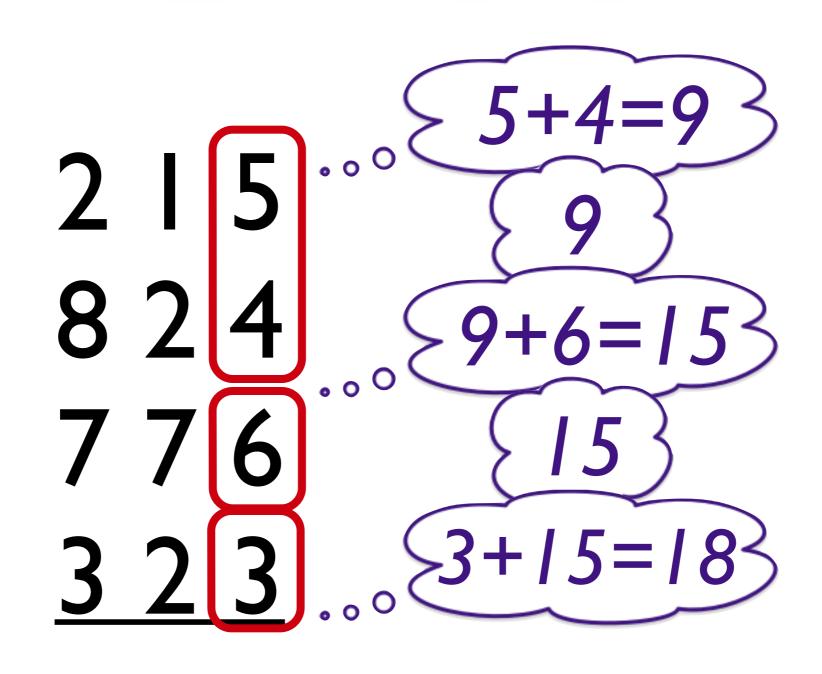
- I'll speak some numbers
- You add them in your head
- Raise your hand to report how hard it was for you:
 - * Easy raise your hand all the way up
 - * Challenging part way up
 - * Couldn't do it don't raise your hand at all

Working Memory Experience



4±1 chunks at a time

Working Memory Experience



Exploration & Break

Exploring the hOS

- Scope of mind
- Patterns
- Optimal zone

Scope

Mind

```
emotion
perception will
thought subconscious memory
habits and more ...
imagination
```

Scope

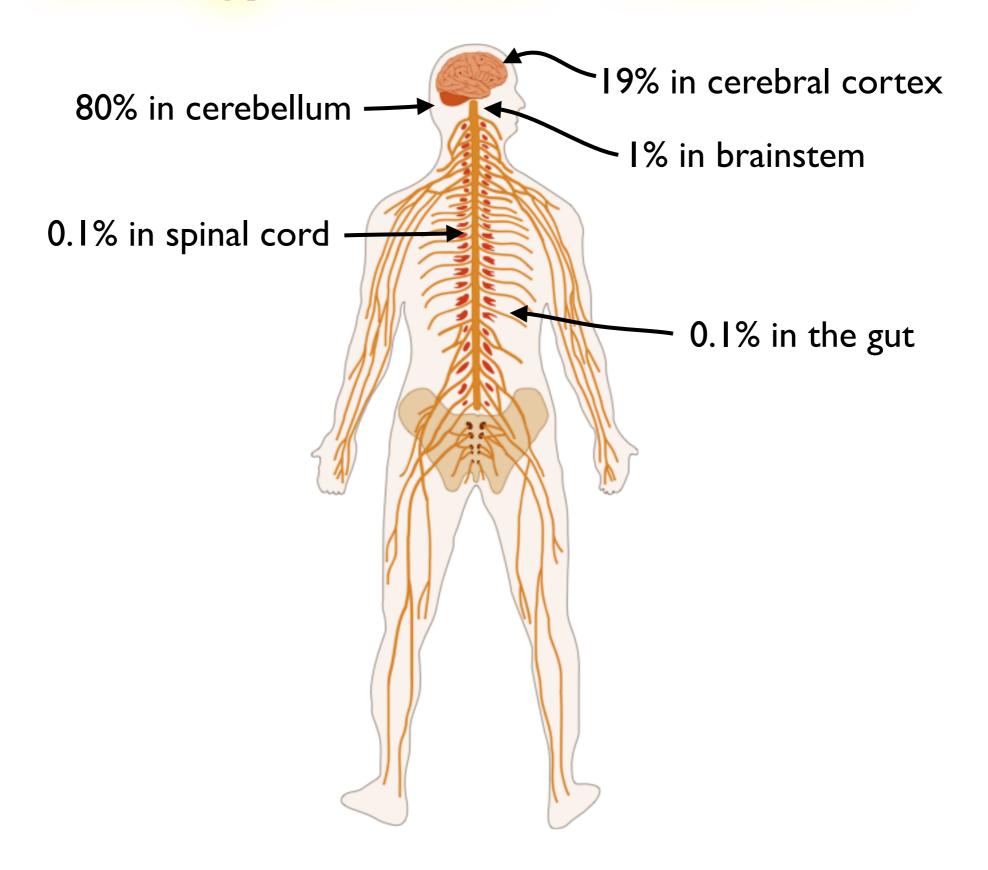
Mind

```
instinctive learned behaviors behaviors and knowledge "operating system" (hOS)

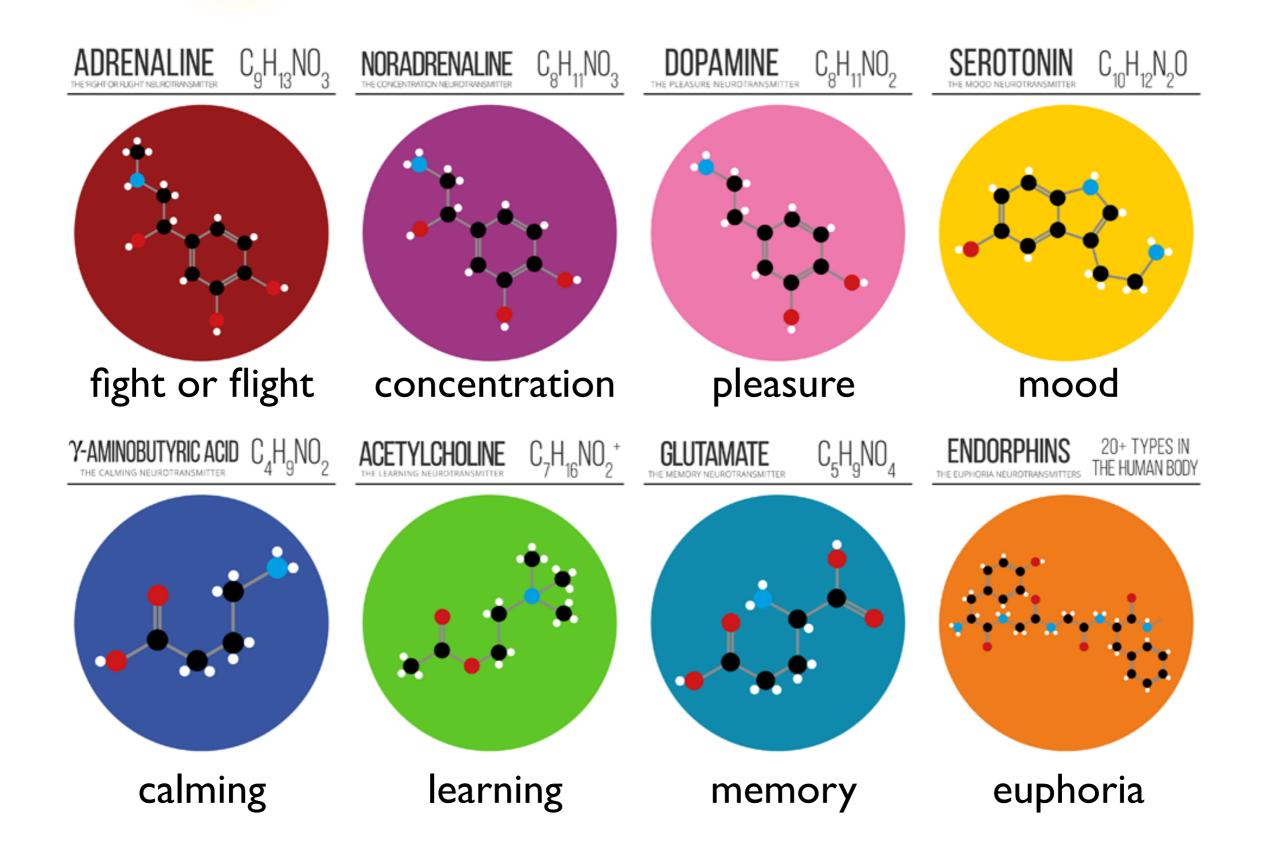
physical body
```

Humans

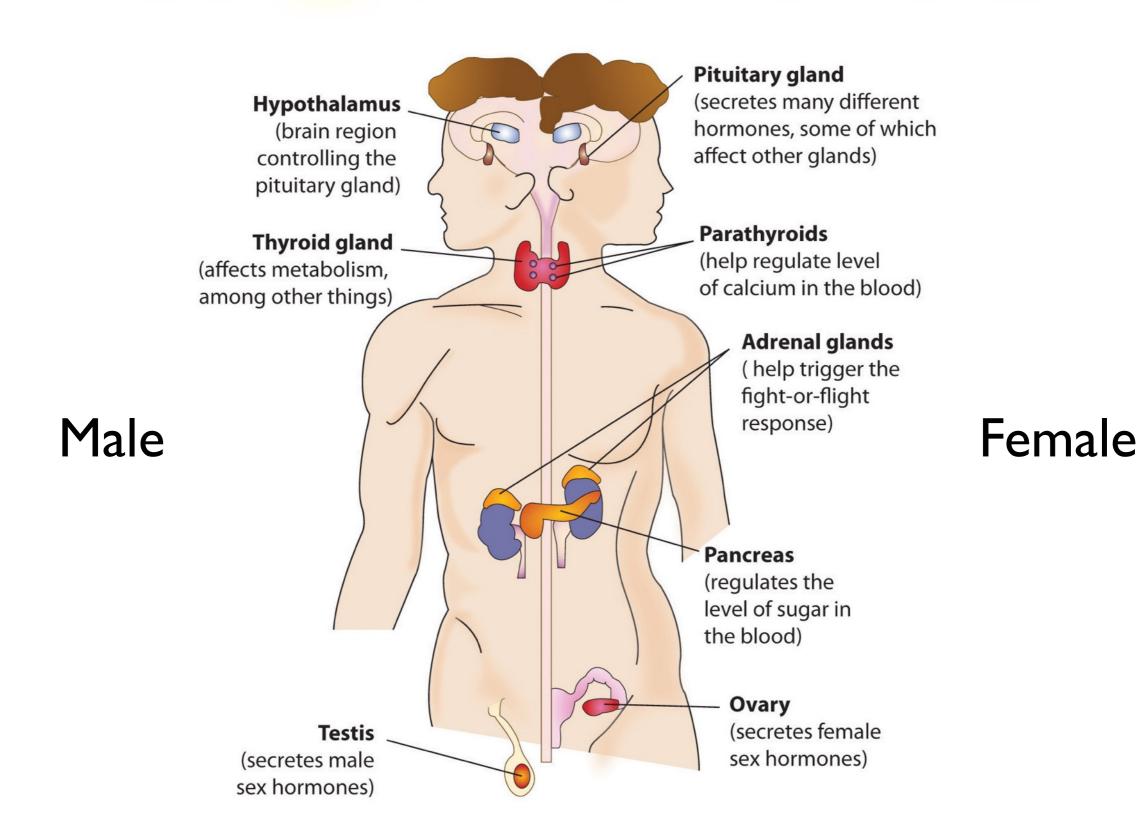
Biology of Mind – Neurons



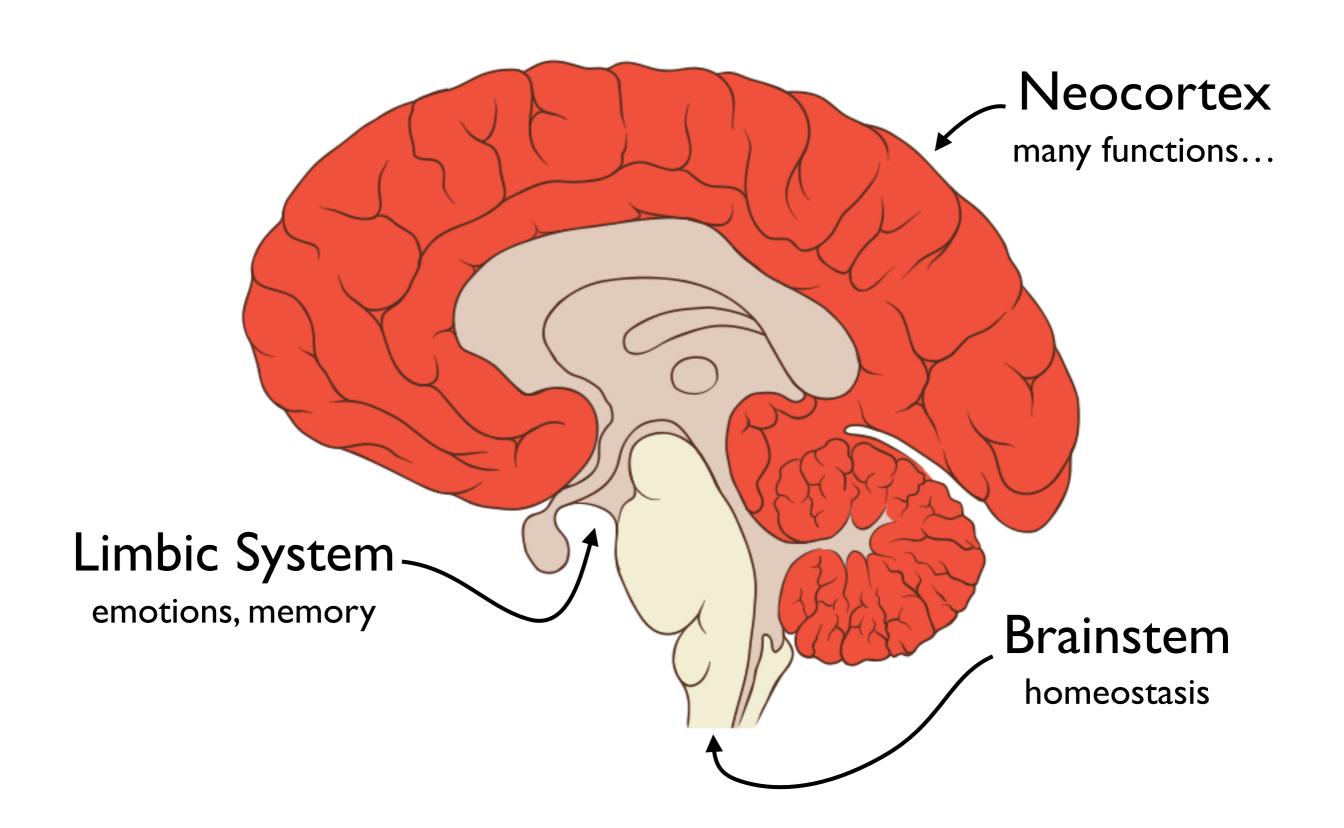
Biology of Mind – Neurotransmitters



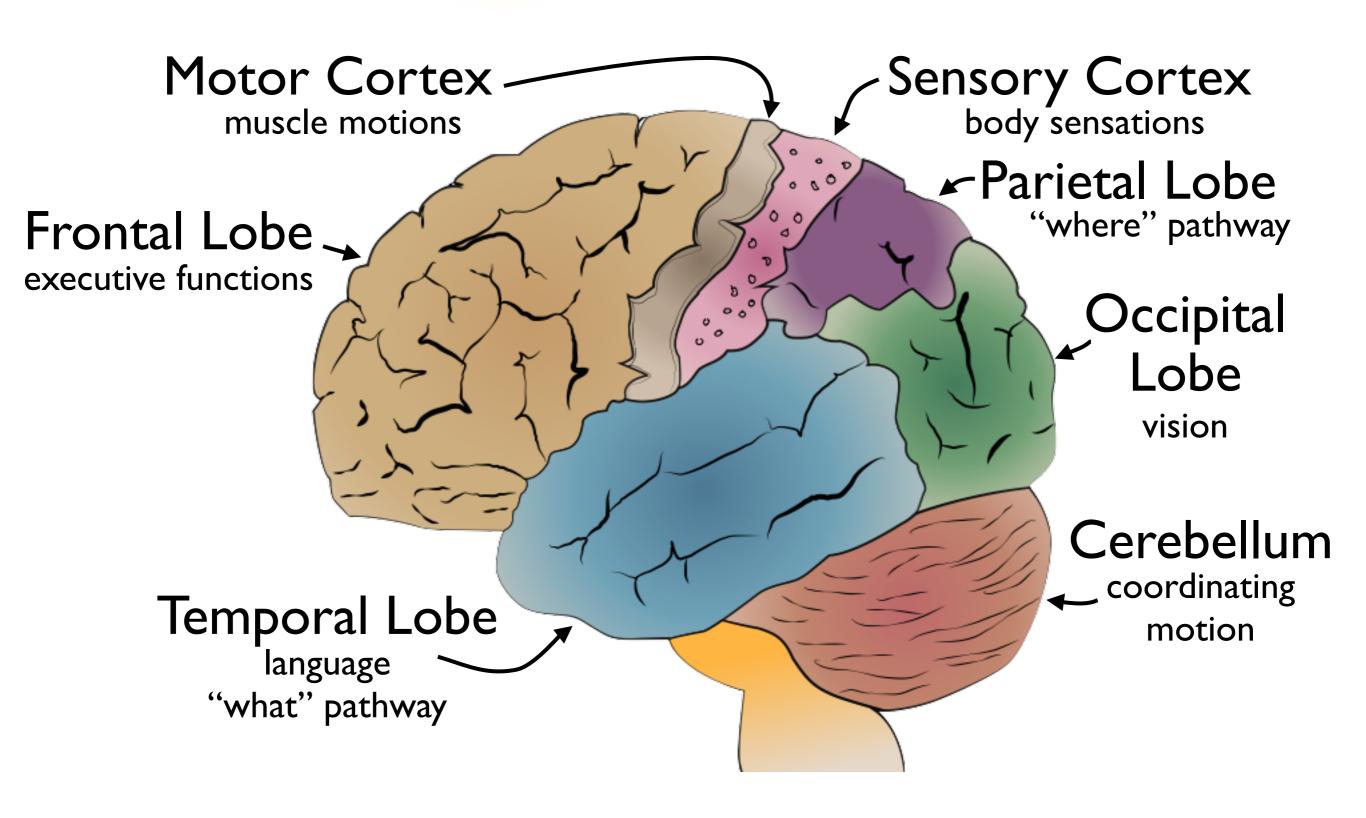
Biology of Mind – Hormones

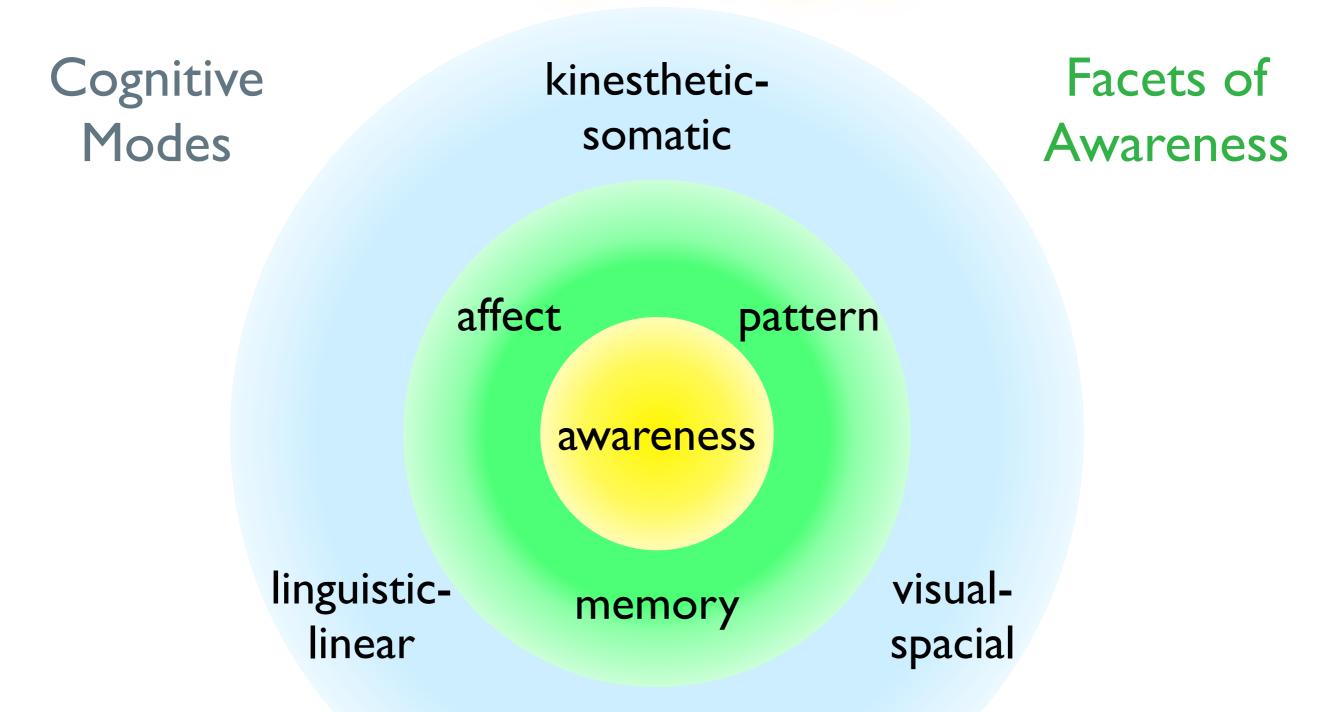


Biology of Mind – Brain



Biology of Mind – Brain



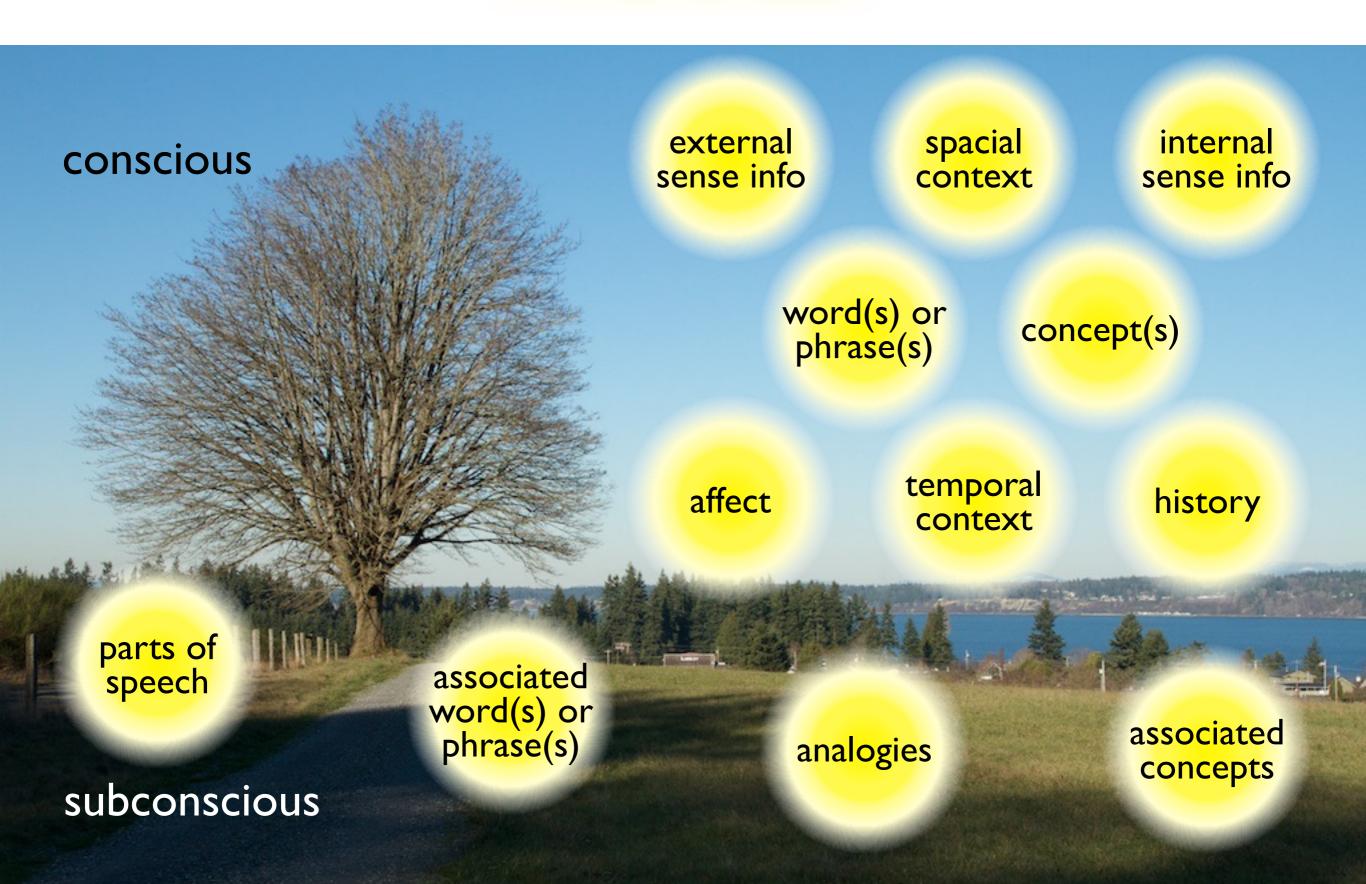


Self with choice ...

awareness

... in space and time

Awareness



Mind-Bundles

external sense info

spacial context

internal sense info

concept(s)

conscious

affect

word(s) or phrase(s)

temporal context

history

subconscious

parts of speech

associated word(s) or phrase(s)

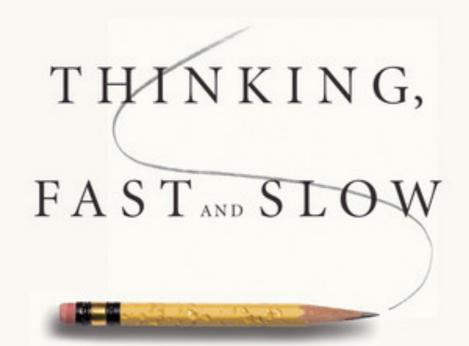
analogies

associated concepts

Conscious and Subconscious

conscious

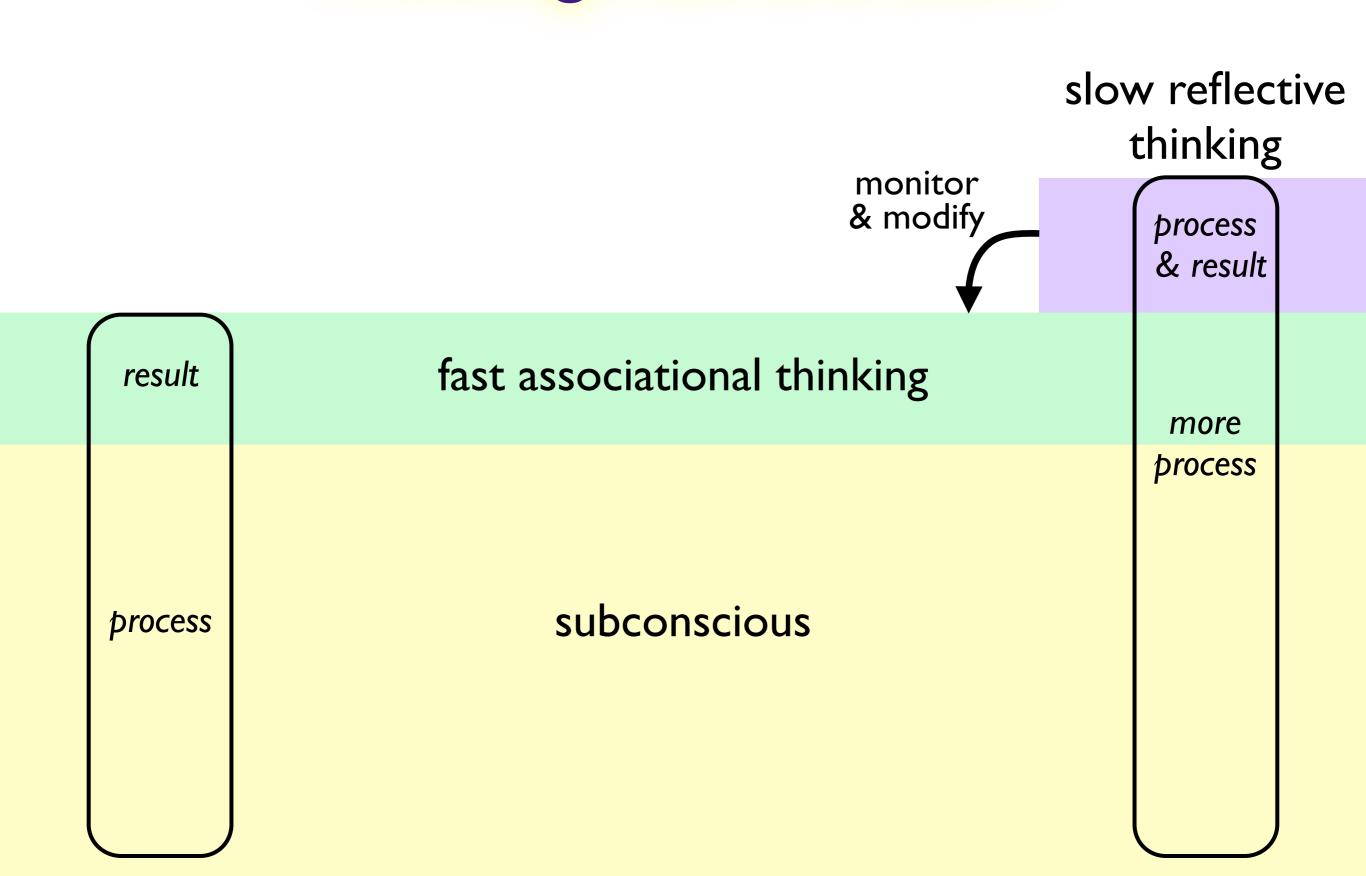
subconscious

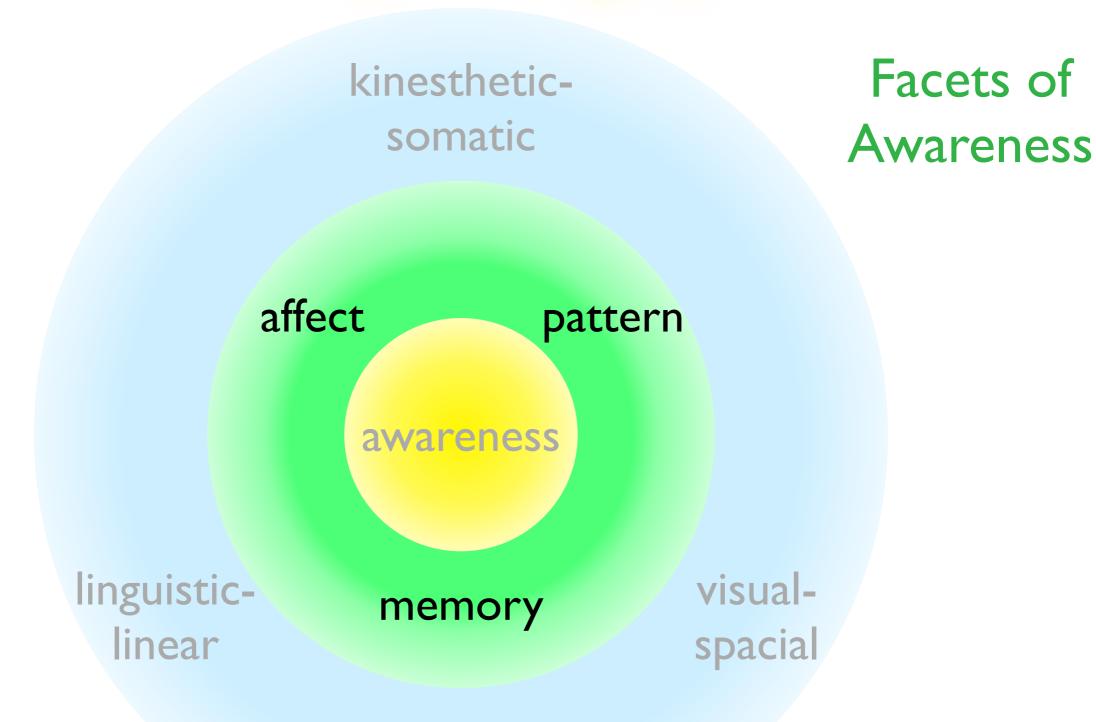


DANIEL KAHNEMAN

WINNER OF THE NOBEL PRIZE IN ECONOMICS

Thinking, Fast and Slow





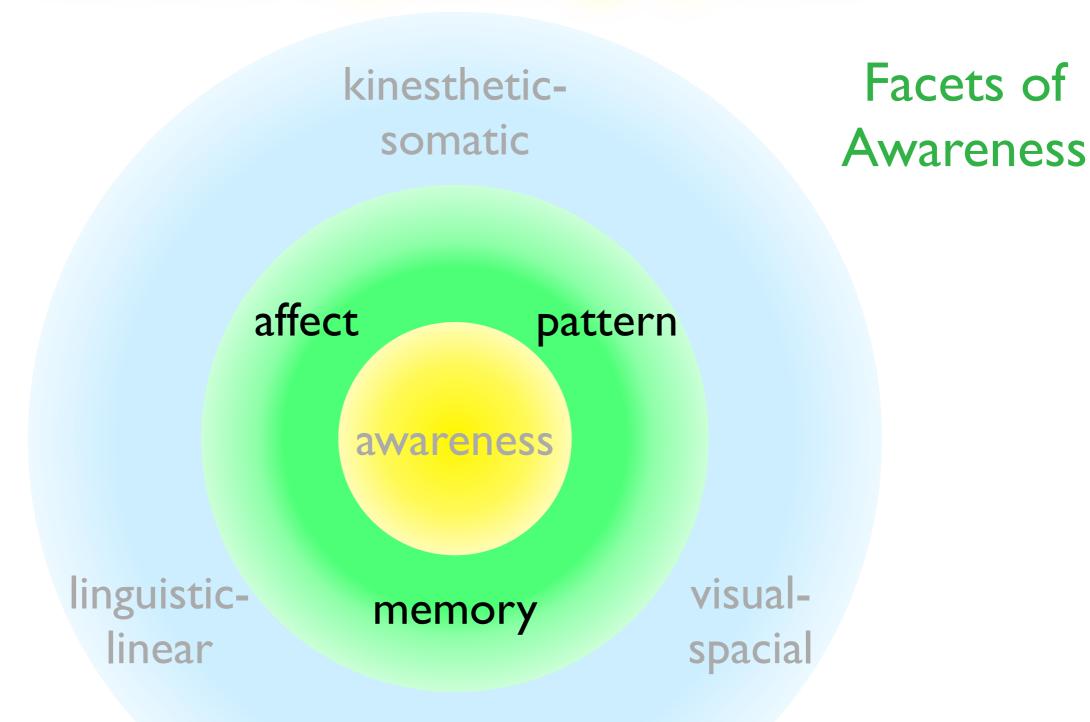
Affect

- Territory of emotions and feelings
- Always present
- Diverse
- Motivational
- Changeable

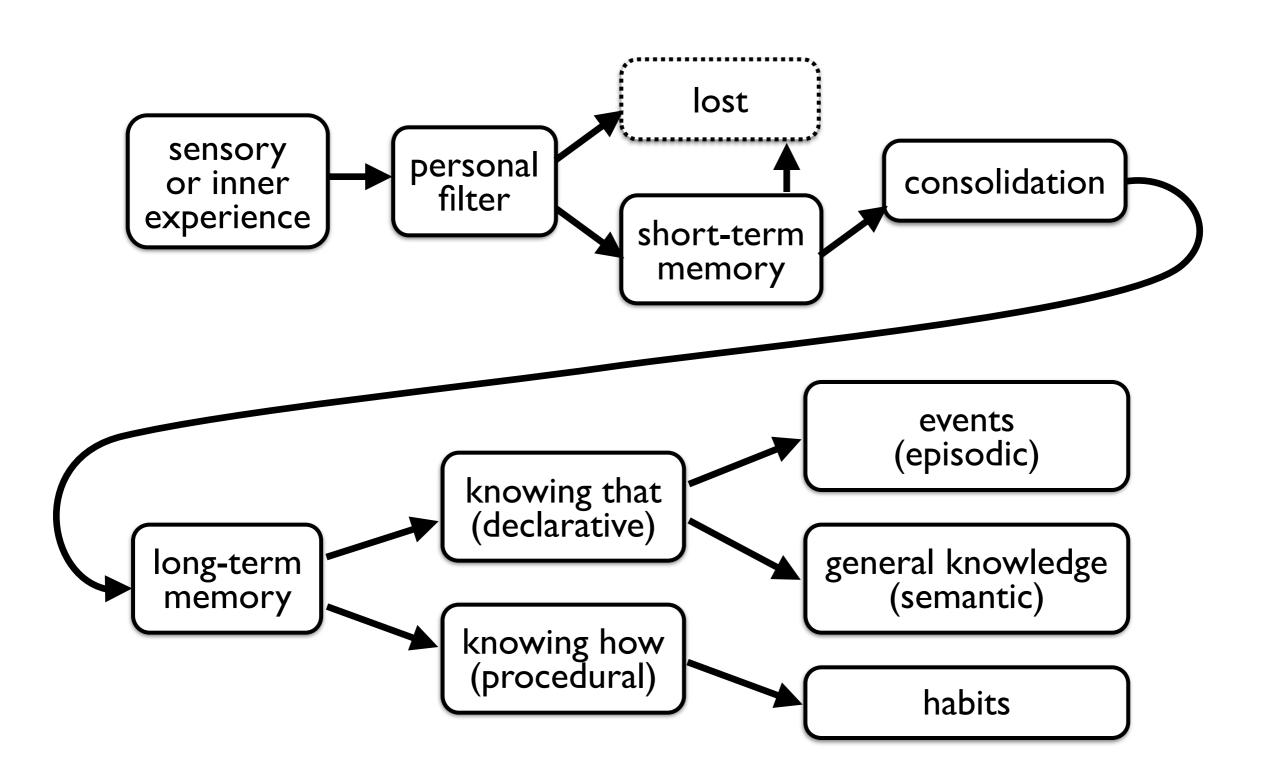


Drives





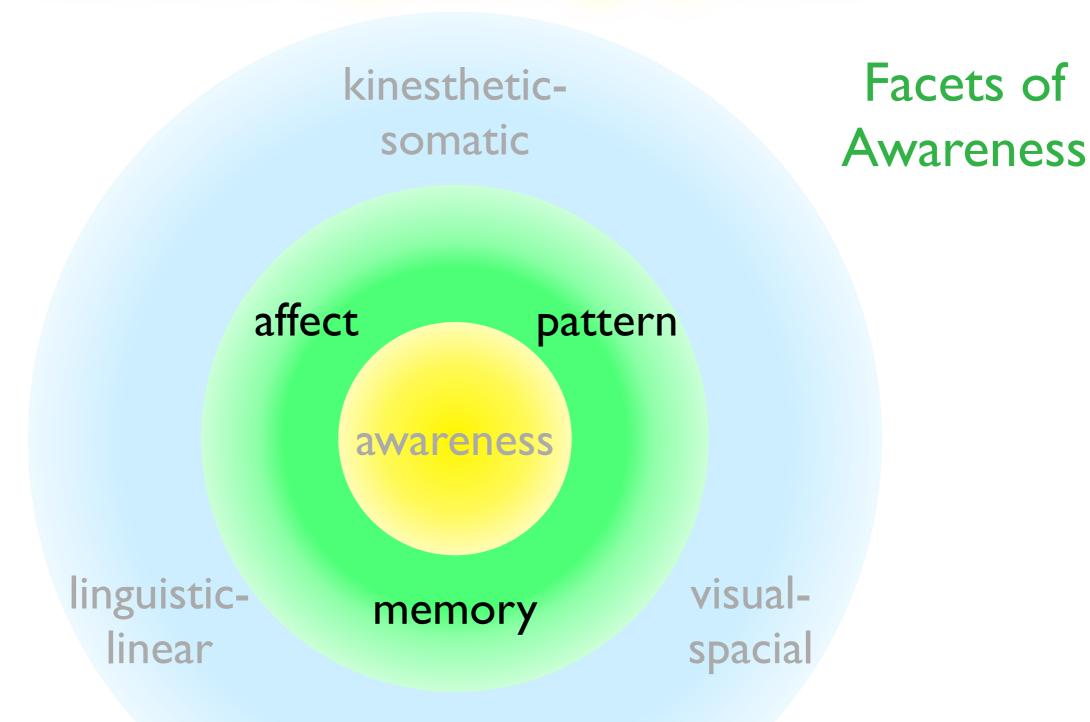
Memory - Storage



Memory - Recall

- Triggered by association
- Activates same parts of brain as original
- "Imagining the past"
- Less accurate than we think

Human Operating System



Pattern

- Just like memory, there are:
 - * Temporal patterns scenarios, if this then that
 - * Semantic patterns definitions, meaning
 - * Procedural patterns habits, action steps

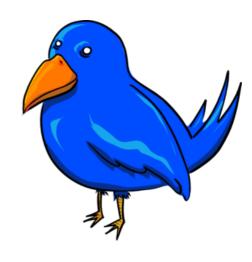




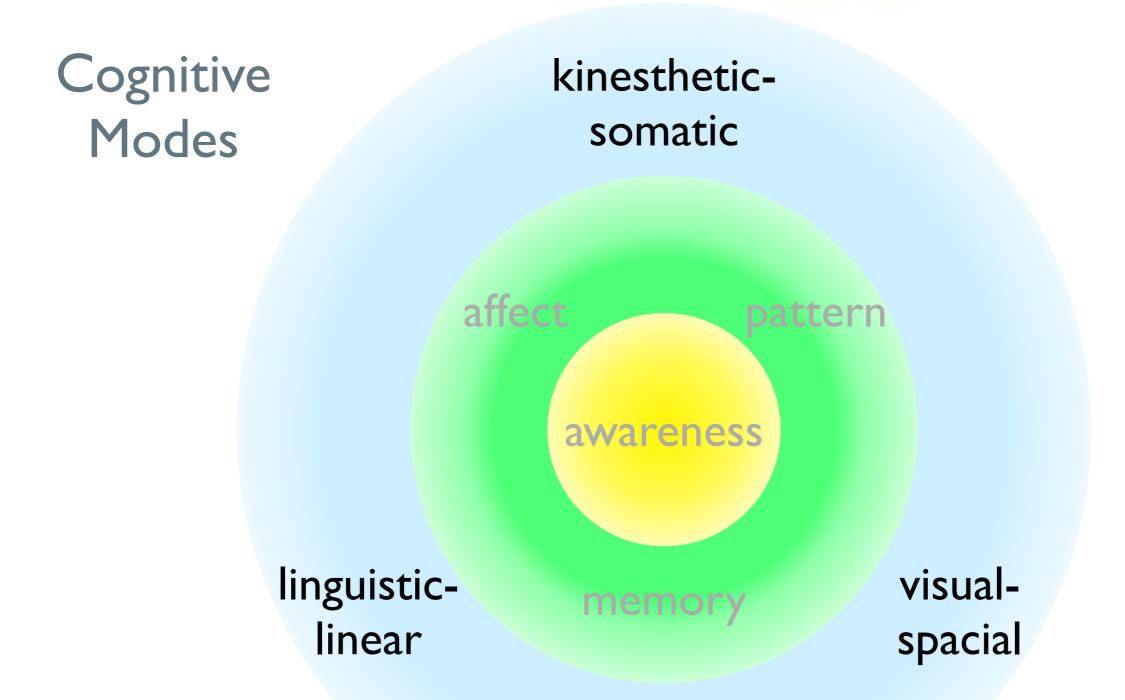




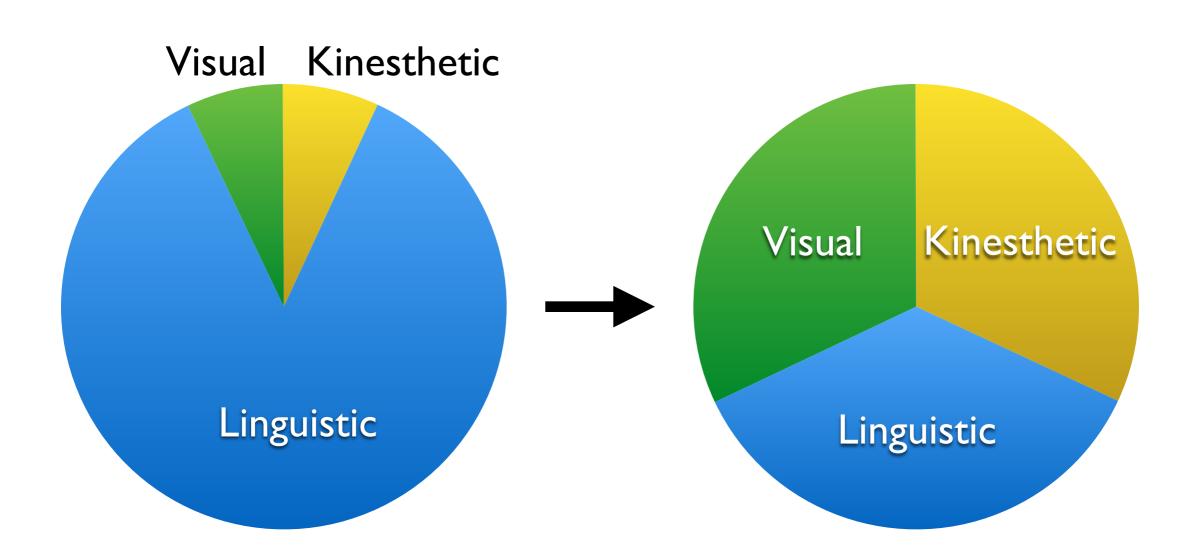




Human Operating System



Empire to Planetary



Linguistic-Linear

O c pulseo thu nadpa unar luzzipo thanne alle the odpu diop the God zennaphta obap epdun · endi thu nadpa quad to themu unite · Huni papad God in that zi ne atin pan eozehunethumu bome innan Papadirium? That unit andinophida · Pan thepo bomo unartume the find in Papadirium uni etad, endi pan ther bomer unartume · the if an innodie zapdun · God bebad up that uni ne atin, mhunethap uni thena bom ne andipumin the uni puntin · Tho quad thu nadpa eft to themu unite · Ne fin zi zapolico dod · thoh the zi pan themu bome eten · Ac God unet zinunfo that unique ozun find zeopanod in fo hunilicumu daze fo zi etad pan themu bome · endi thanne zi find enzilum zelico · unitandi eozehunedap ze zod ze util · Tho zefah that unit that the bom unar zod to etanne · bi themu the ipu thuhti · endi from to ozum endi luftizo to zefihte · endi tho zenam fan thef bomer unartume endi zeat endi falda ipu unepe · he at tho. Endi ipo bethpo ozun unidun zeopanod · fin andfundun tho that fin nacod unapun · endi finundun im piclop endi unaphtun im bipocor ·

Ex tho God quam ends pu zehopudun spremna · thap he zenz in zapdun obap modaze · tho hudda Adam ina ·
ends if uusp oc po deda · ppam Goder zepihte an modae thepo bomo zapdun · God heht Adam ends quad · Adam · huuap
bipt thu? he quad · Thina ptemna ik zehopuda · liop · in zapdun · ends ik andped im an thiu the ic bium nacod · ends ik
hudda im · God quad · huue pazda thi that thu nacod uuapi · Ep thu ne atip pan themu bome the ik thi bebad that
thu pan ne atip? Adam quad · That unip that thu im papzati to zepopianne · palda im pan themu bome · ends ic at

Linguistic-Linear

- Strengths: orderly, easy, quick, flexible, good for everyday communications
- Weaknesses: linear, 4 chunks, lowresolution, categorical thinking, symbolic representation leads to miscommunication
- Time as a sequence of events; works for long time-spans

Visual-Spacial



Visual-Spacial

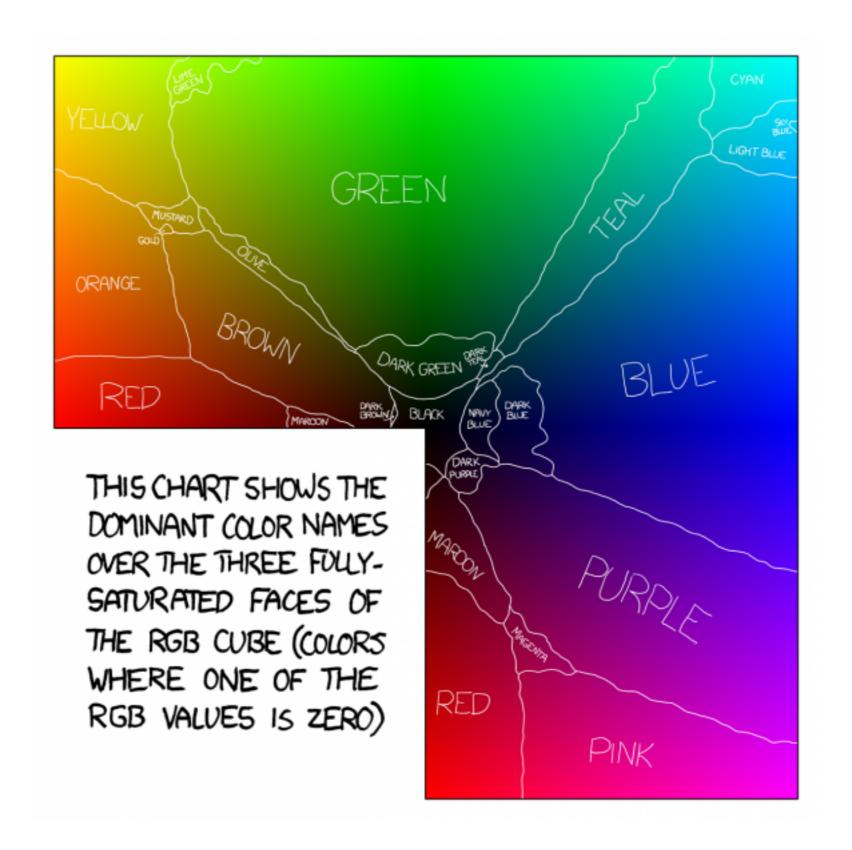
- Strengths: easy to receive, huge simultaneous info, gradations, relationships
- Weaknesses: more effort to create, no story
- Time as a sequence of images; works for short time-spans

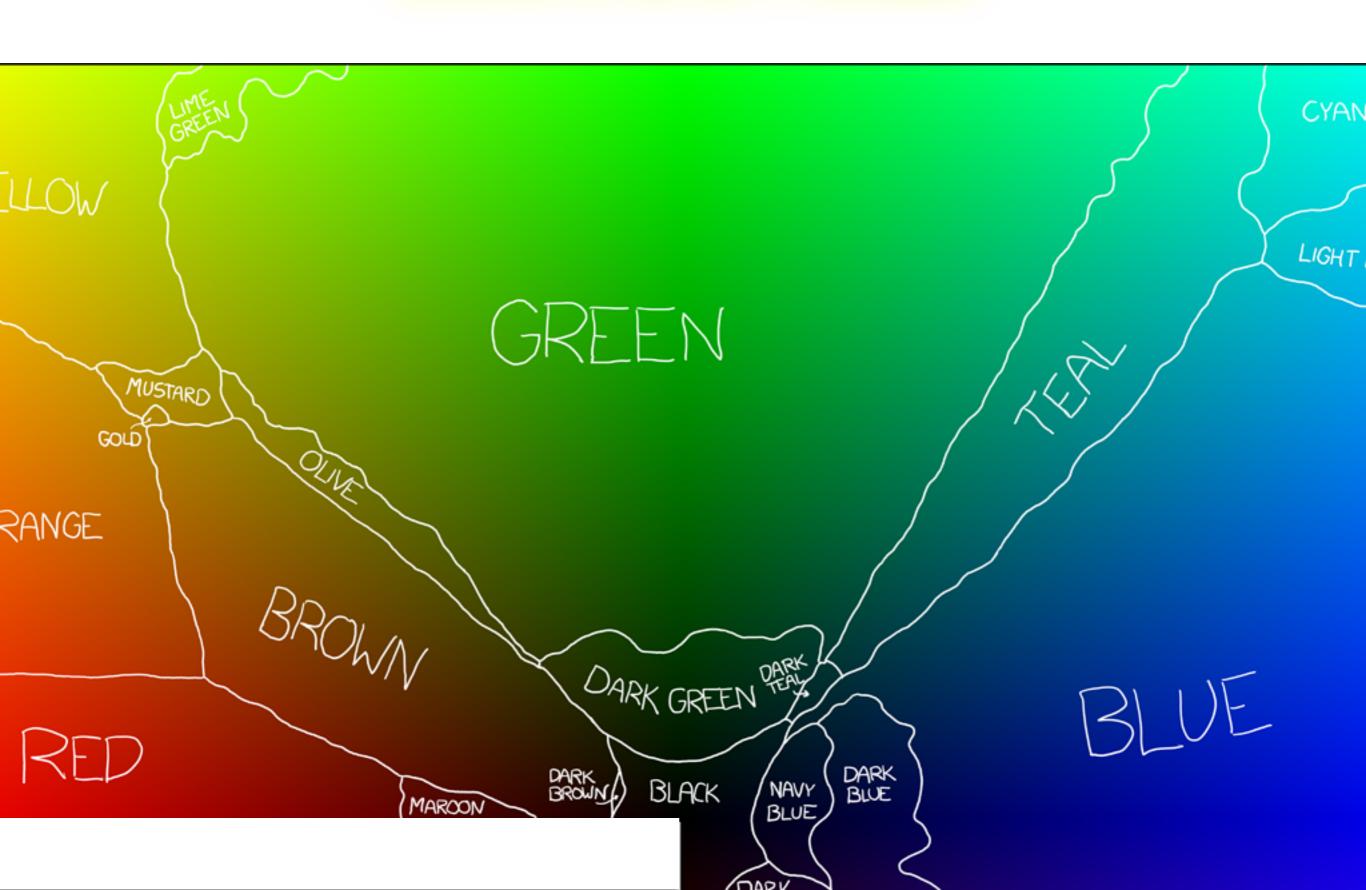
Kinesthetic-Somatic



Kinesthetic-Somatic

- Strengths: easy access to habits and affect, great support for other modes, source for basic metaphors
- Weaknesses: hard to translate into words and categories
- Time as embodied rhythm and flow



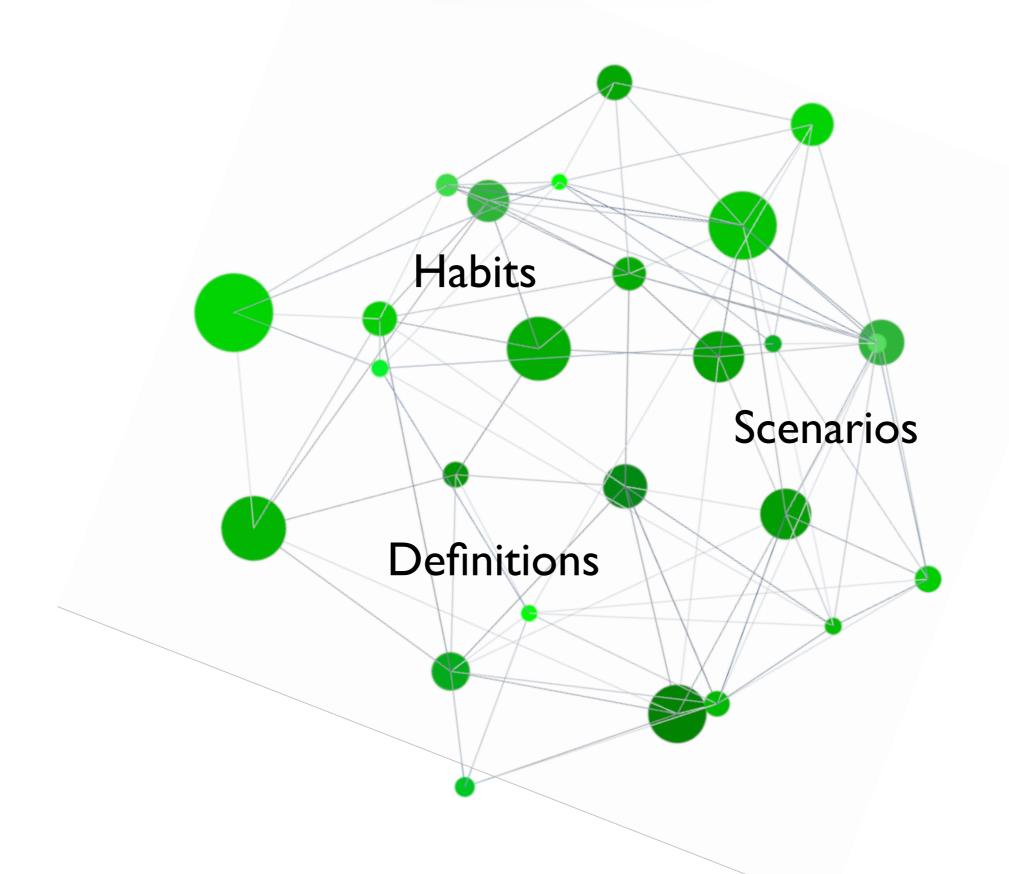






Exploration & Intermission

Patterns



Patterns

- The water we swim in and don't see
- Perception recognizes familiar patterns and creates new ones
- Memories are stored as patterns
- Thinking is exploring and modifying patterns of ideas
- Habits are patterns of action

Patterns – Based On Experience

external sense info

spacial context

internal sense info

concept(s)

conscious

affect

word(s) or phrase(s)

temporal context

history

subconscious

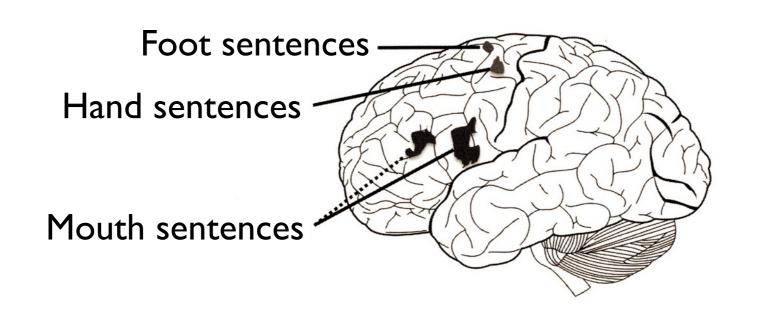
parts of speech

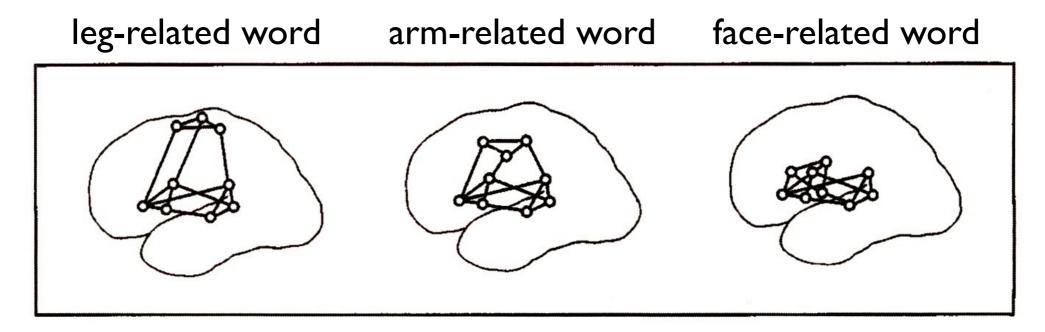
associated word(s) or phrase(s)

analogies

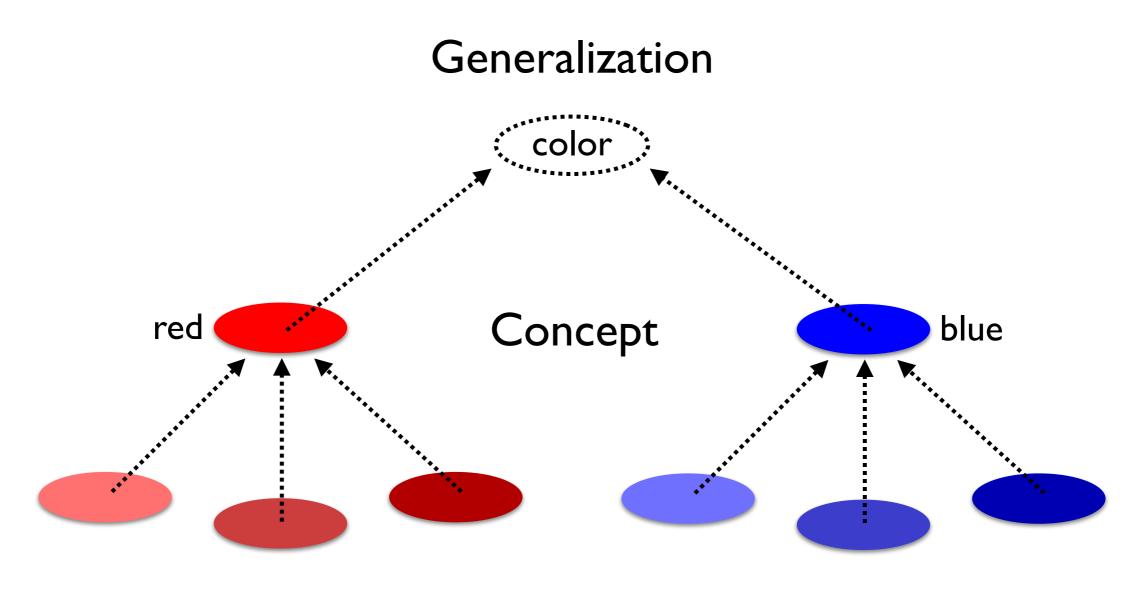
associated concepts

Patterns – Based On Experience





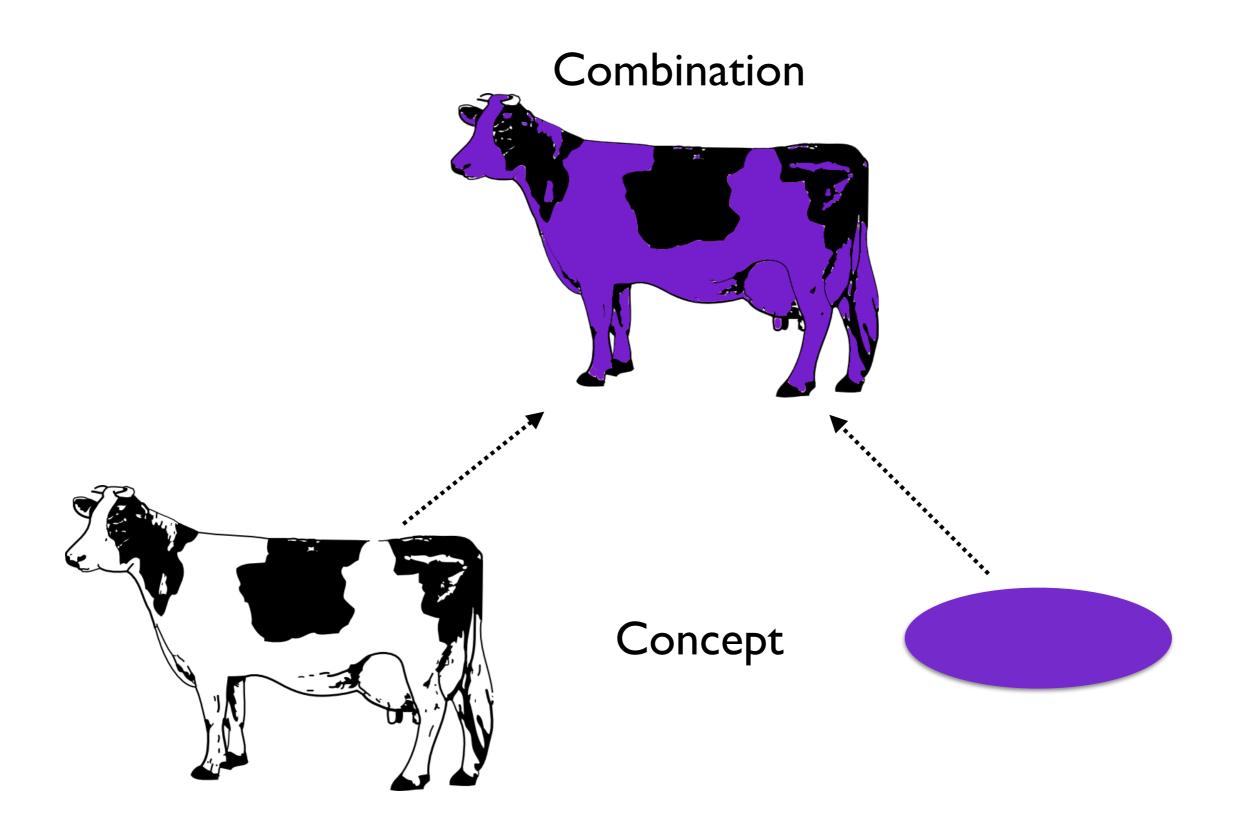
Patterns – Based On Each Other



Direct Experience

Direct Experience

Patterns - Based On Each Other



Metaphors and Frameworks

- They are the super-nodes in the network of patterns
- Metaphorical sources tend to be concrete experiences
- "Frameworks" include belief systems, mental models, ideologies, sets of working hypotheses, paradigms, etc.
- A framework is a set of concepts that explains "how things work"

Metaphors and Frameworks

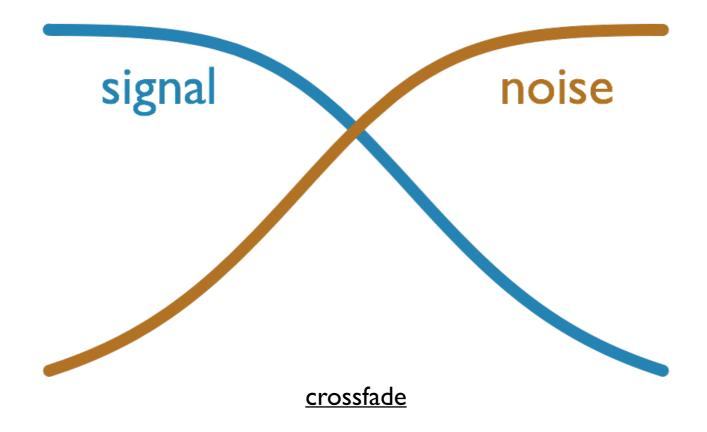
- Many patterns get interpreted through metaphors or frameworks
- Especially important in scenarios and creating expectations
 - * negotiations are like battles vs. negotiations are like journeys
- Changes in metaphors and frameworks can have profound ripple effects

Metaphors and Frameworks

Categorical Thinking



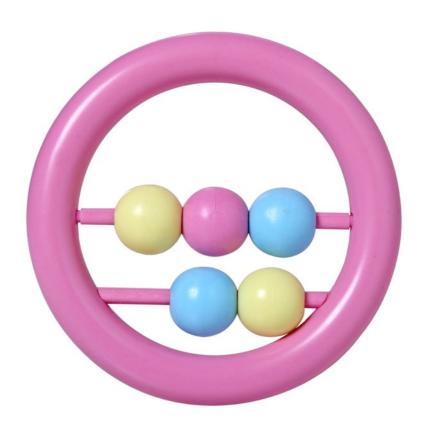
vs.
Continuum Thinking



Patterns – Objects

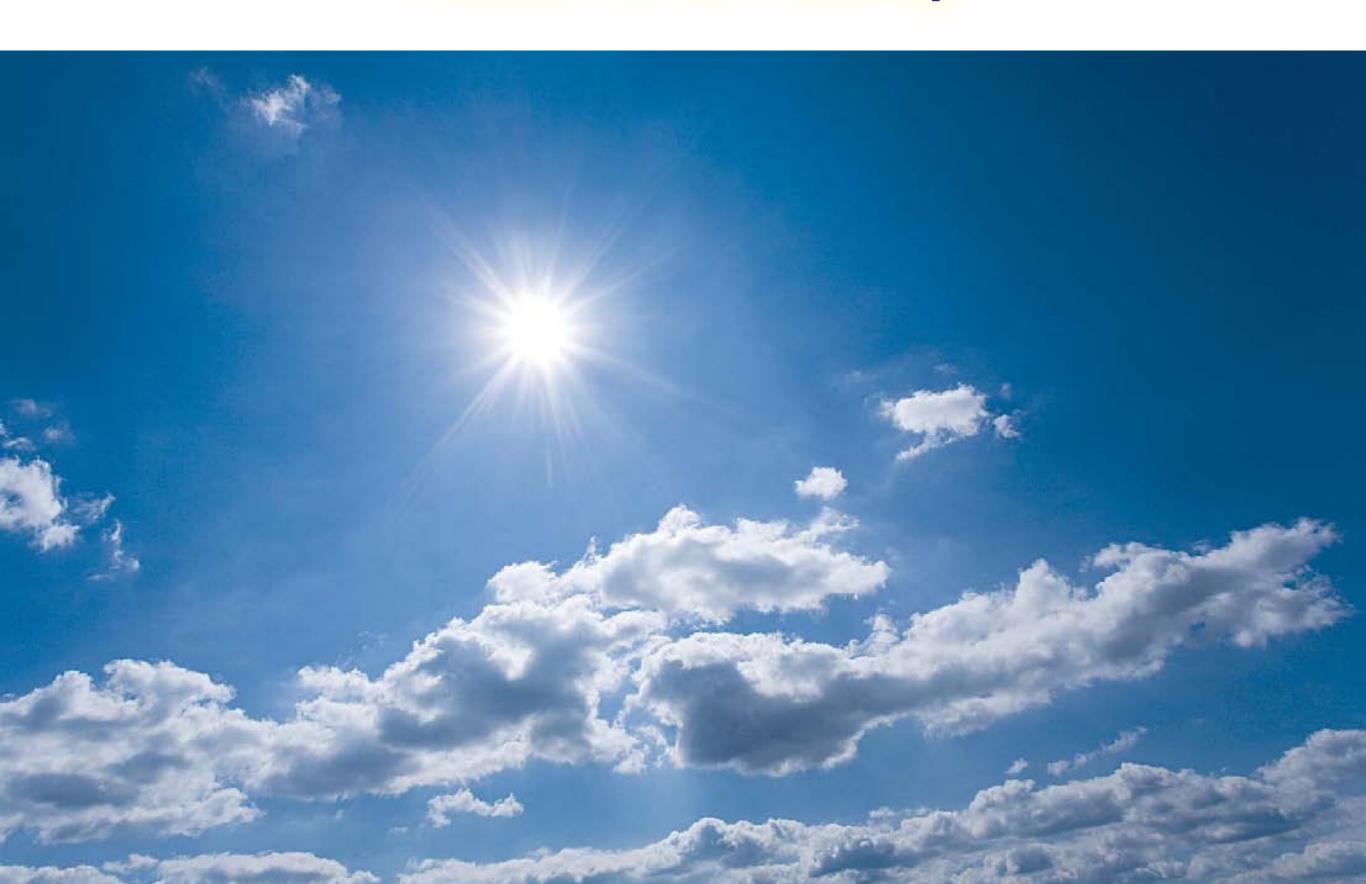
- Persons and things
- Early and important
- Hardwired for it

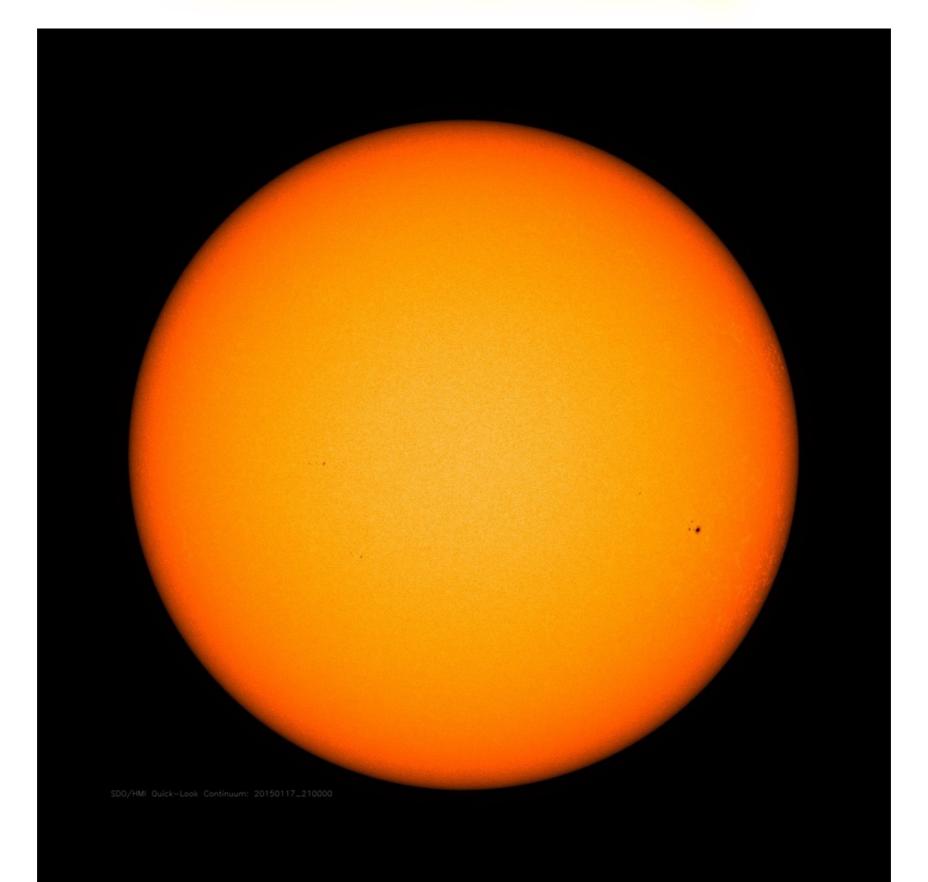


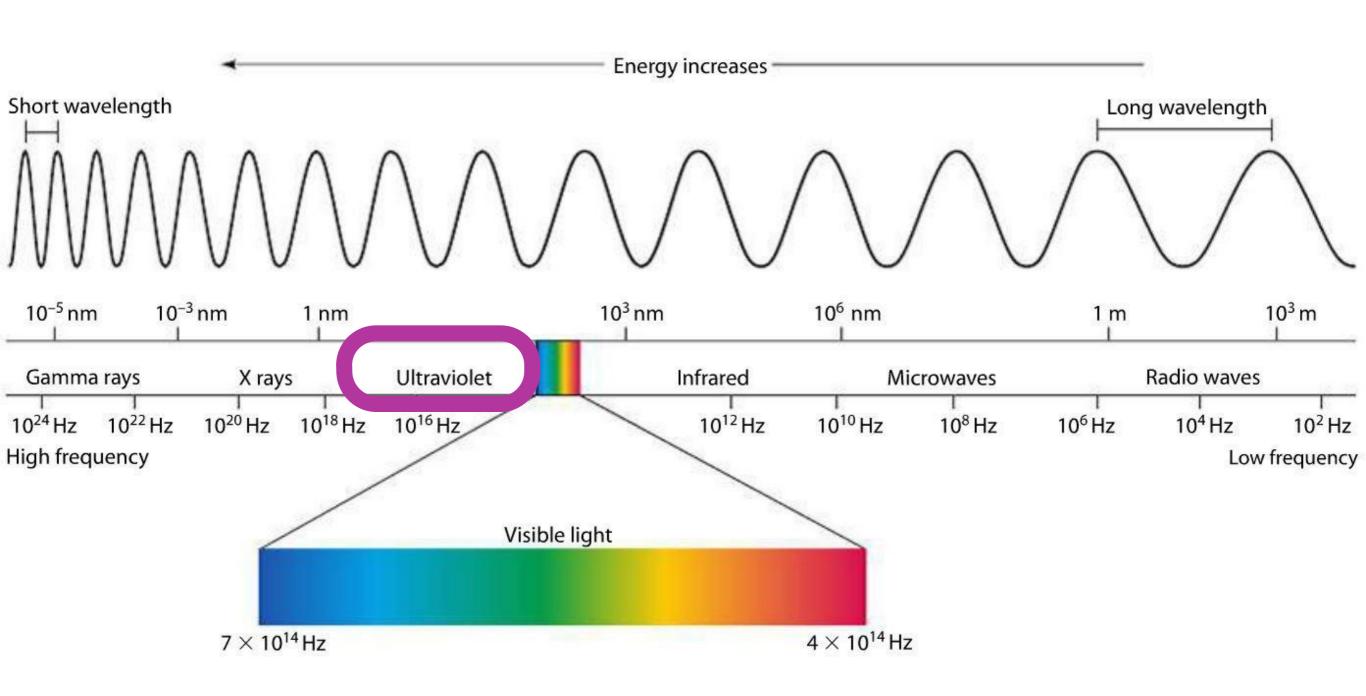


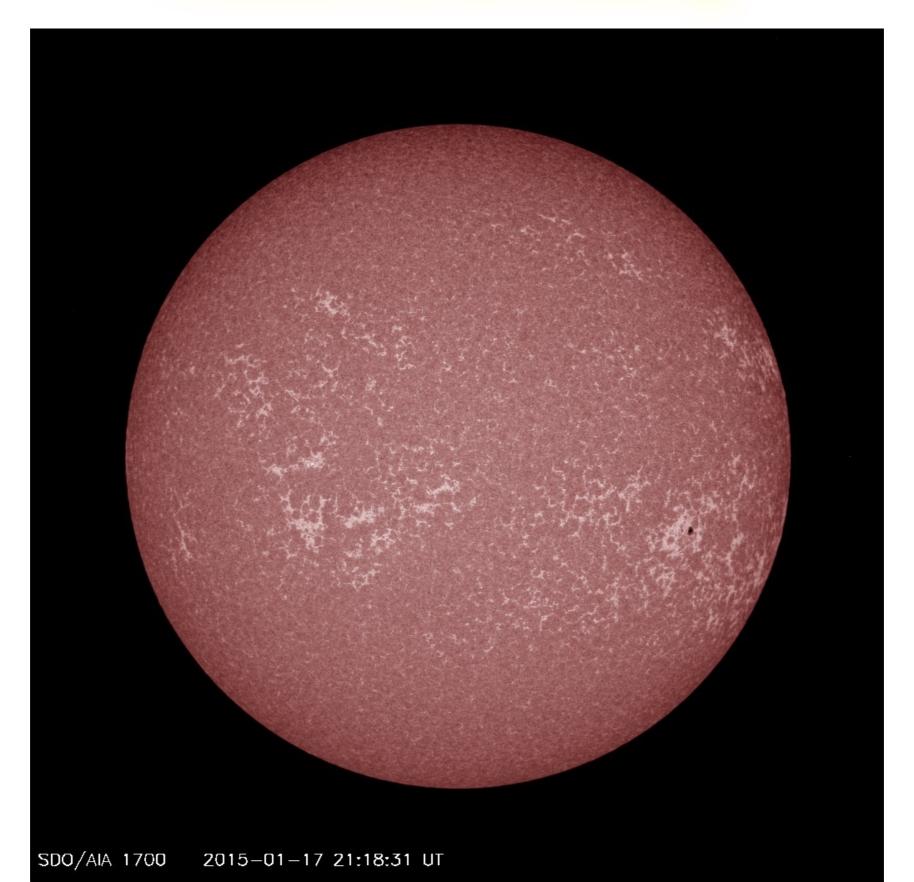
Patterns – Objects

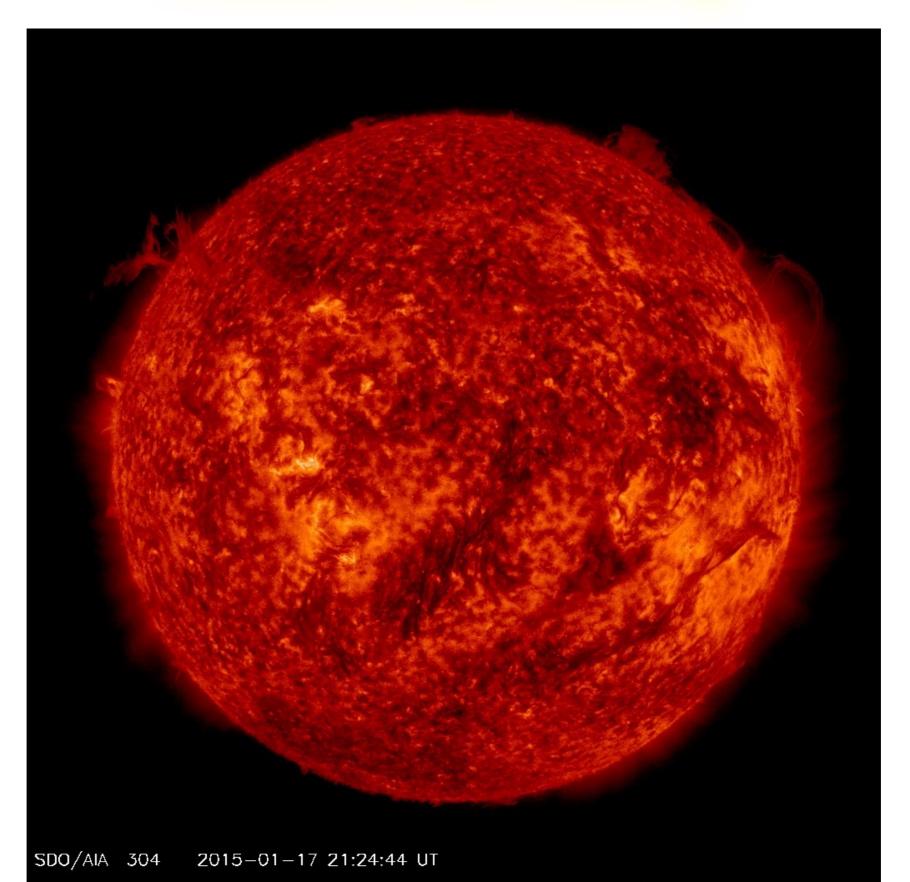
- Metaphorical source for nouns
- Defined in space, independent of context
- Creates subconscious confusion with non-object nouns – networks, patterns, systems, abstract nouns, etc.
- Biases us against seeing relationships and their importance

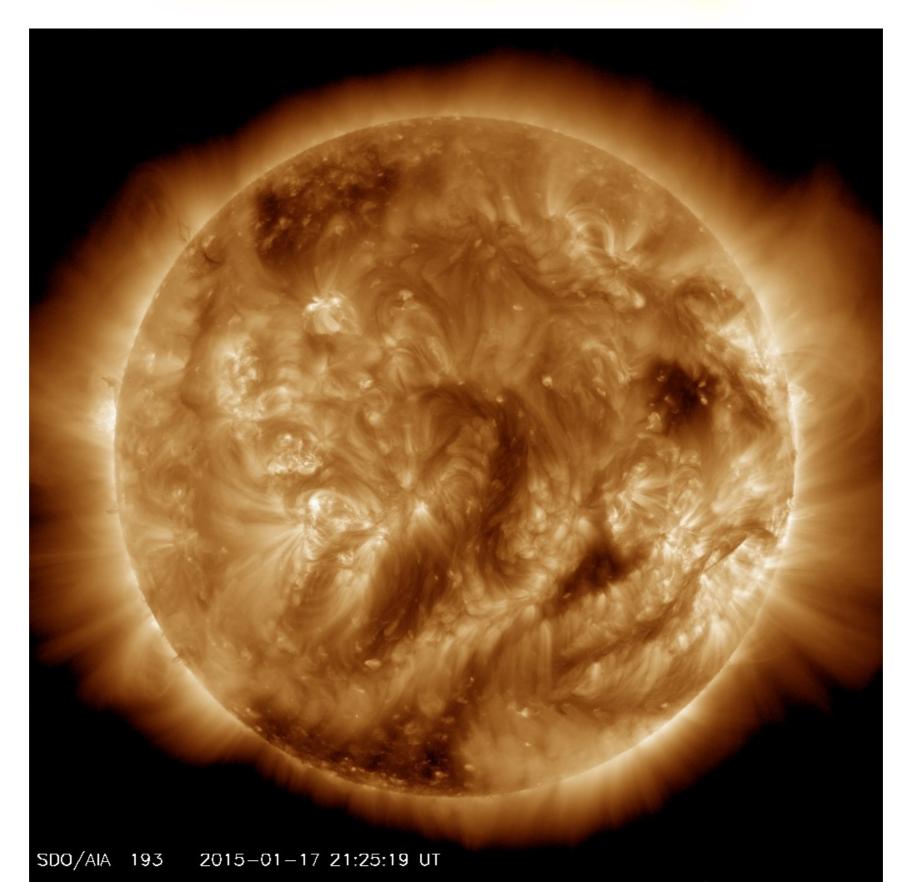


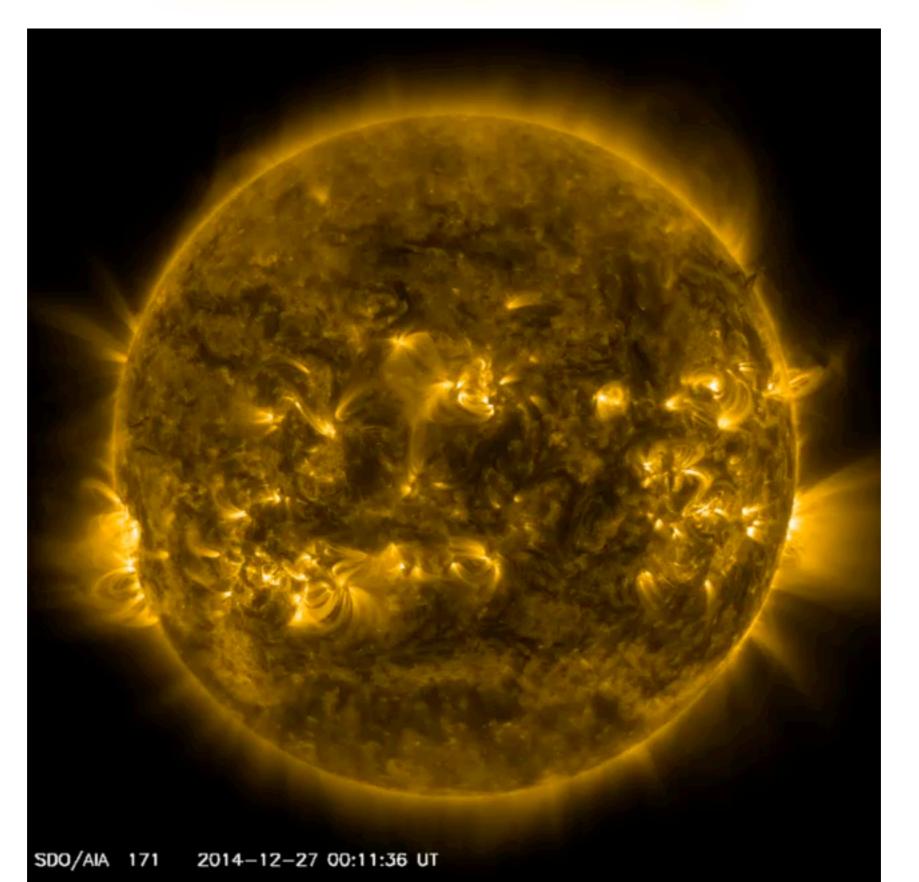




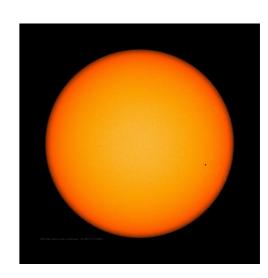






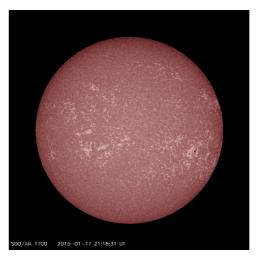


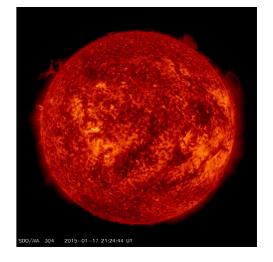


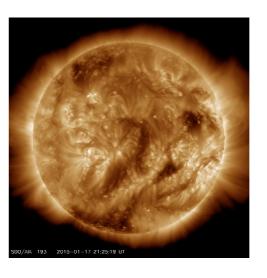


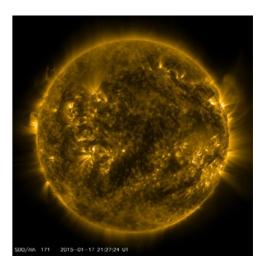


Vs.



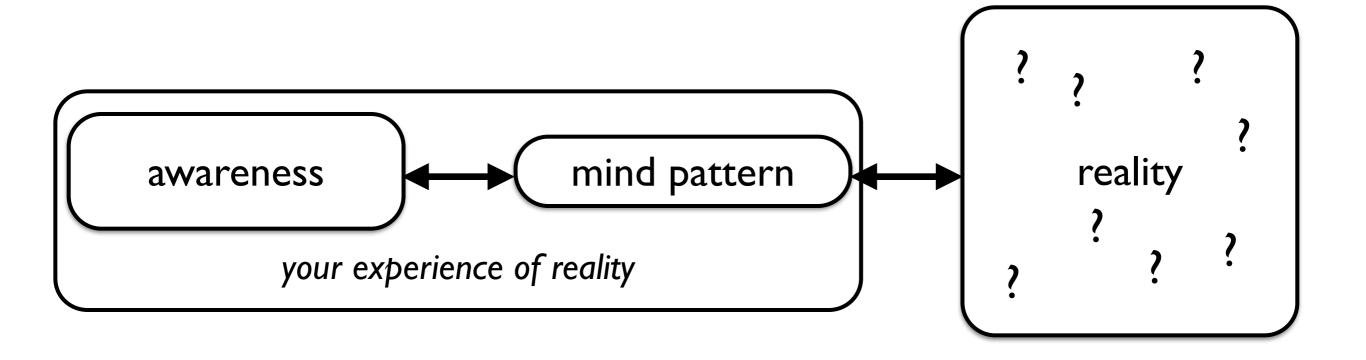




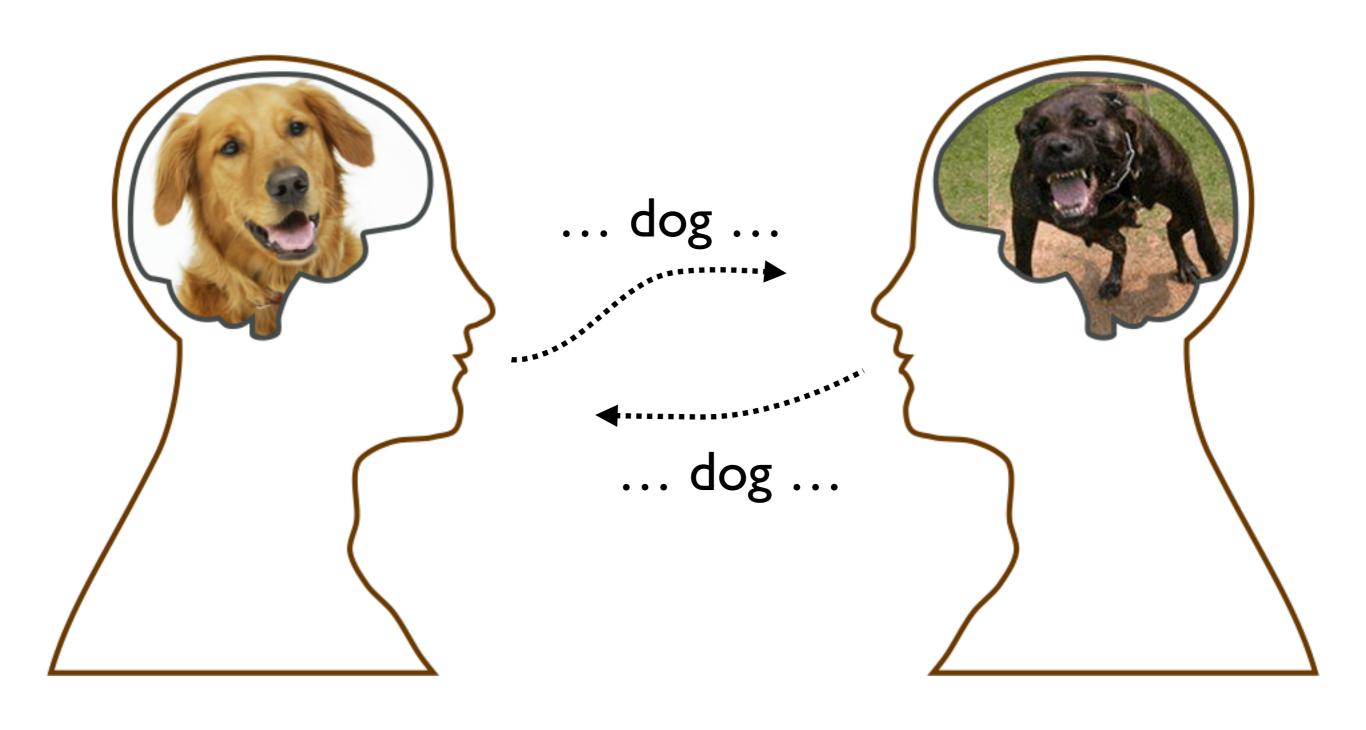


Patterns & Reality

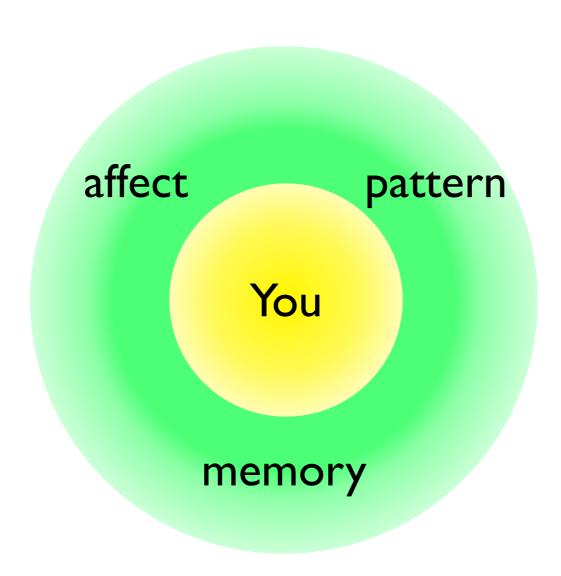
- Patterns about reality are partial, selective and provisional
- There is always more to learn
- Your experience is personal and unique



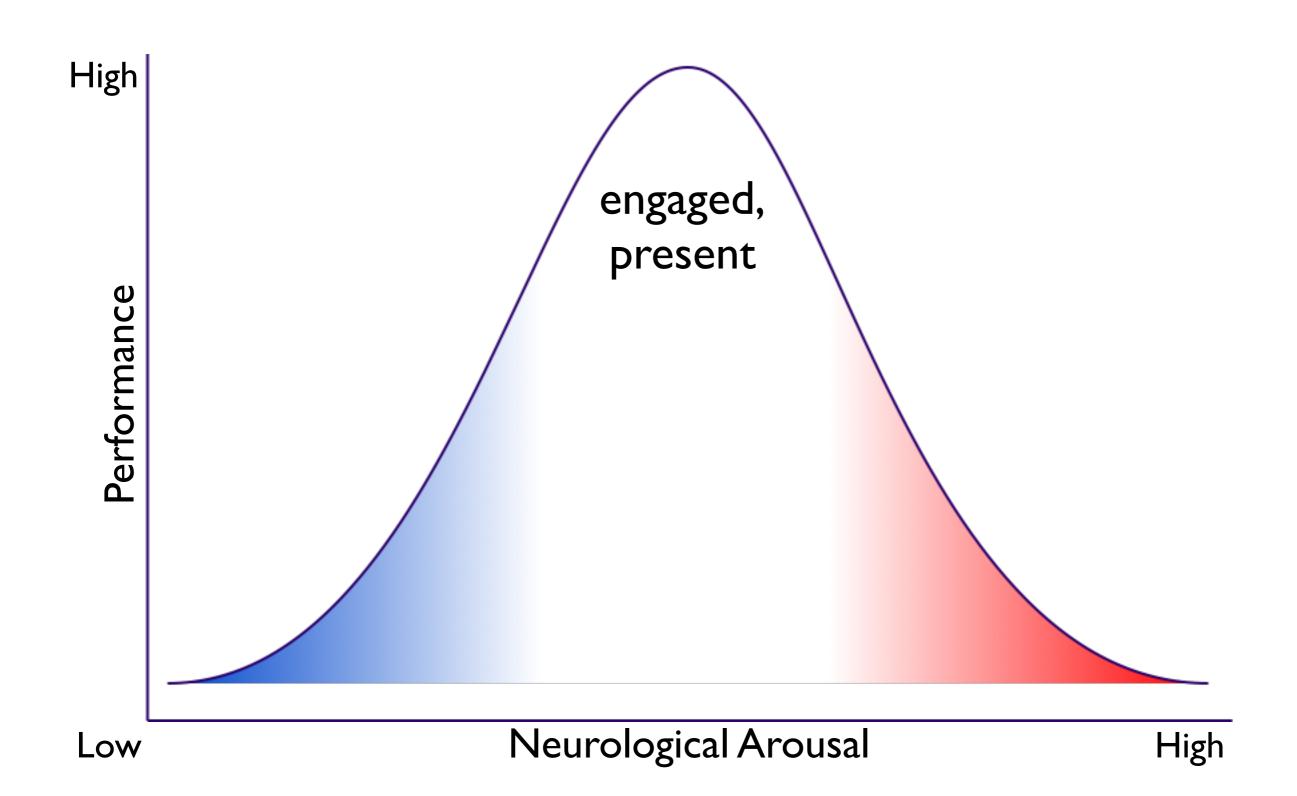
Patterns & Reality



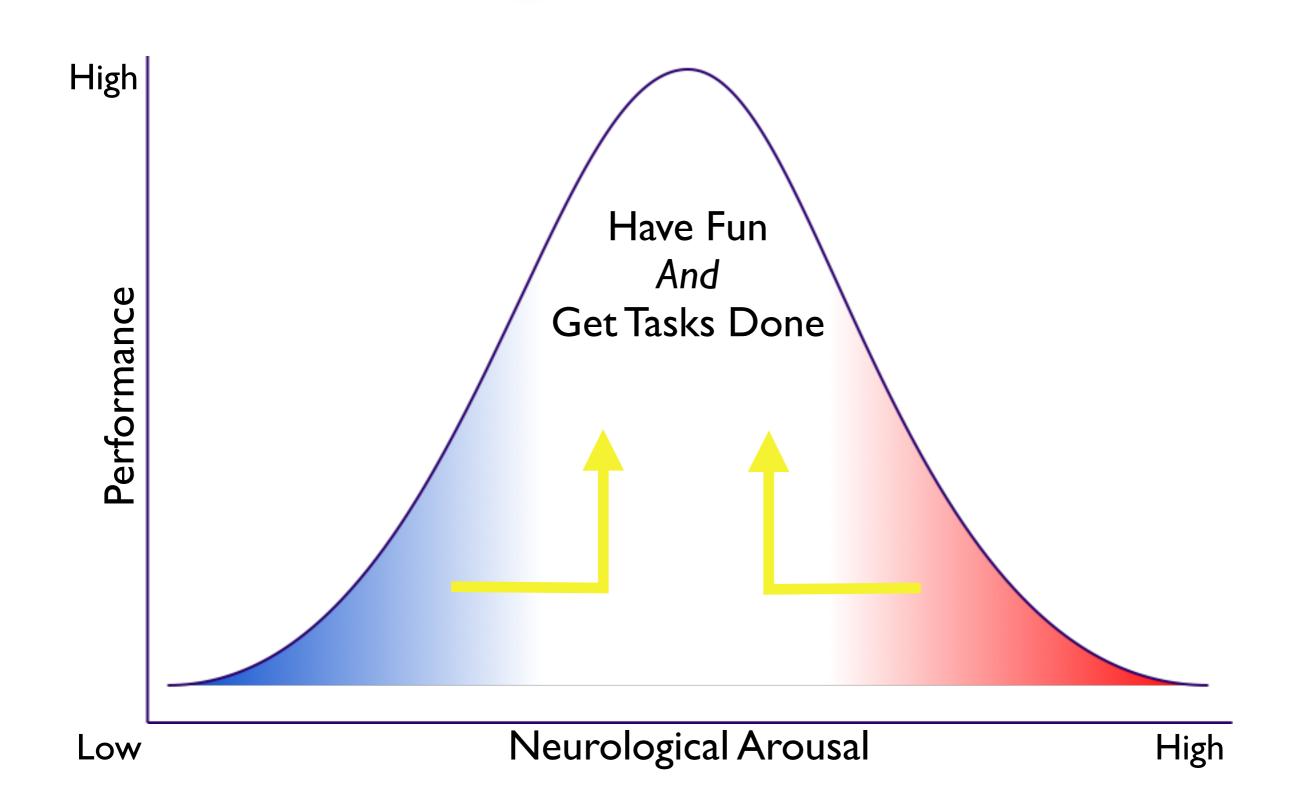
Exploration & Break

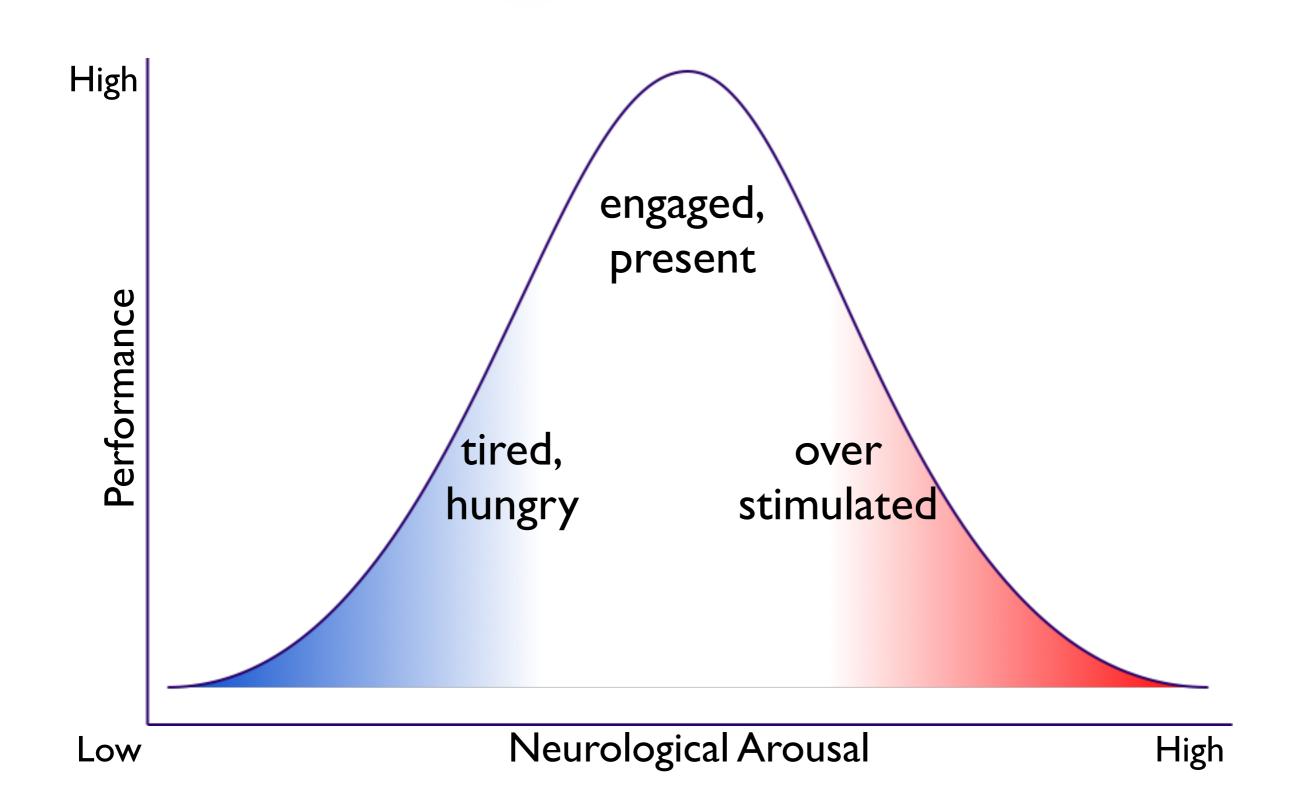


Integration and Synergy

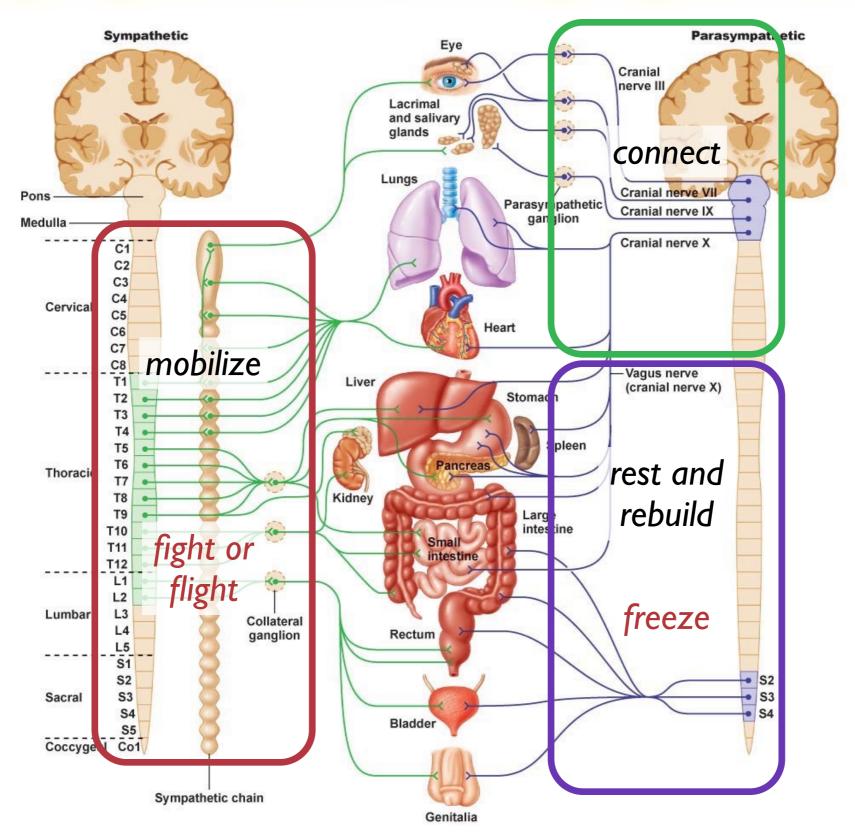






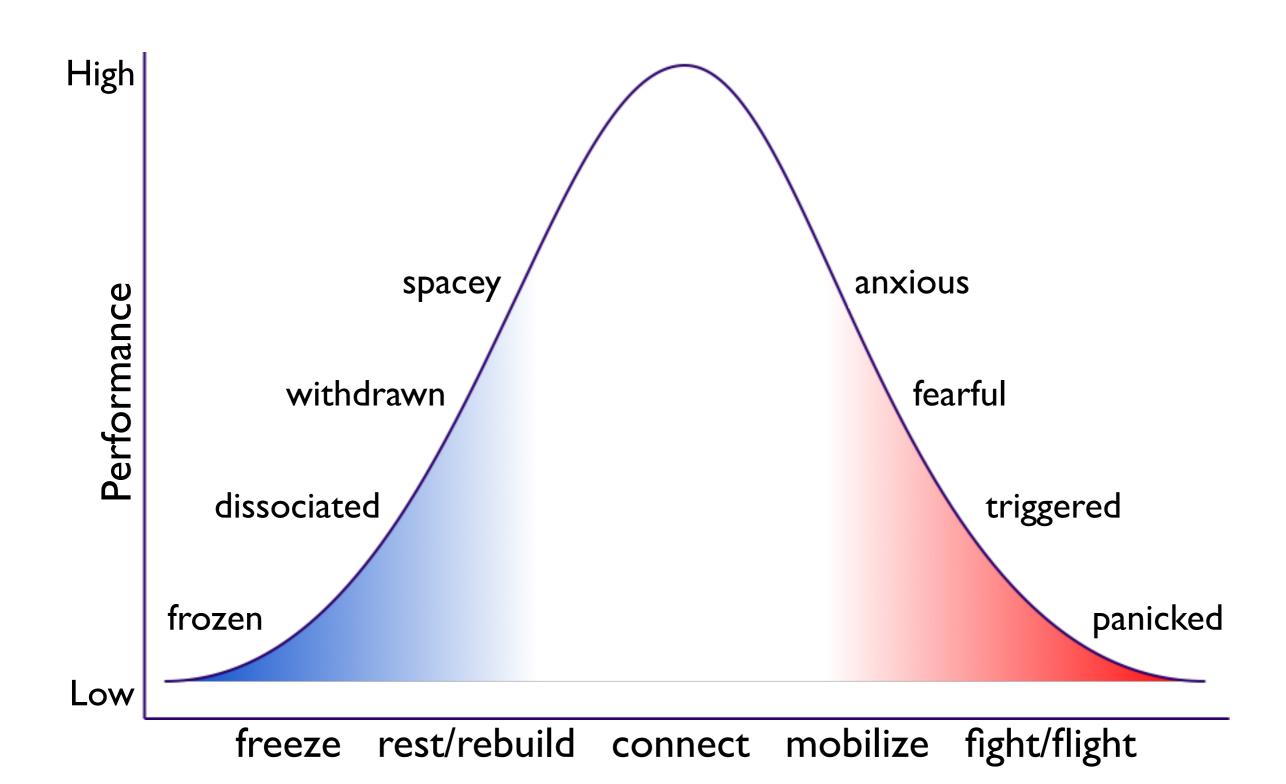


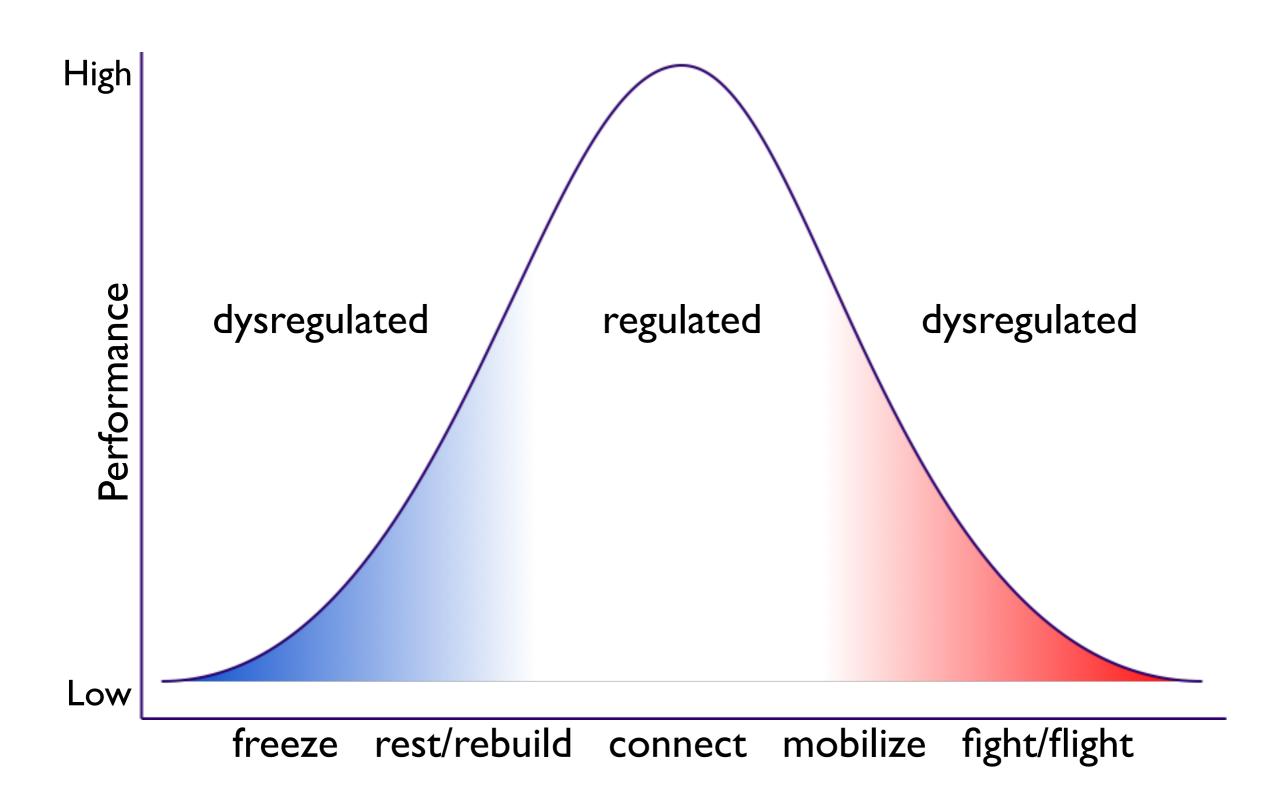
Sympathetic-Parasympathetic



Connection and Affinity

- Hardwired in
- Deep framework for safety
- Guide to decision-making
- Will die for





Regulation in Infants



Regulation in Infants

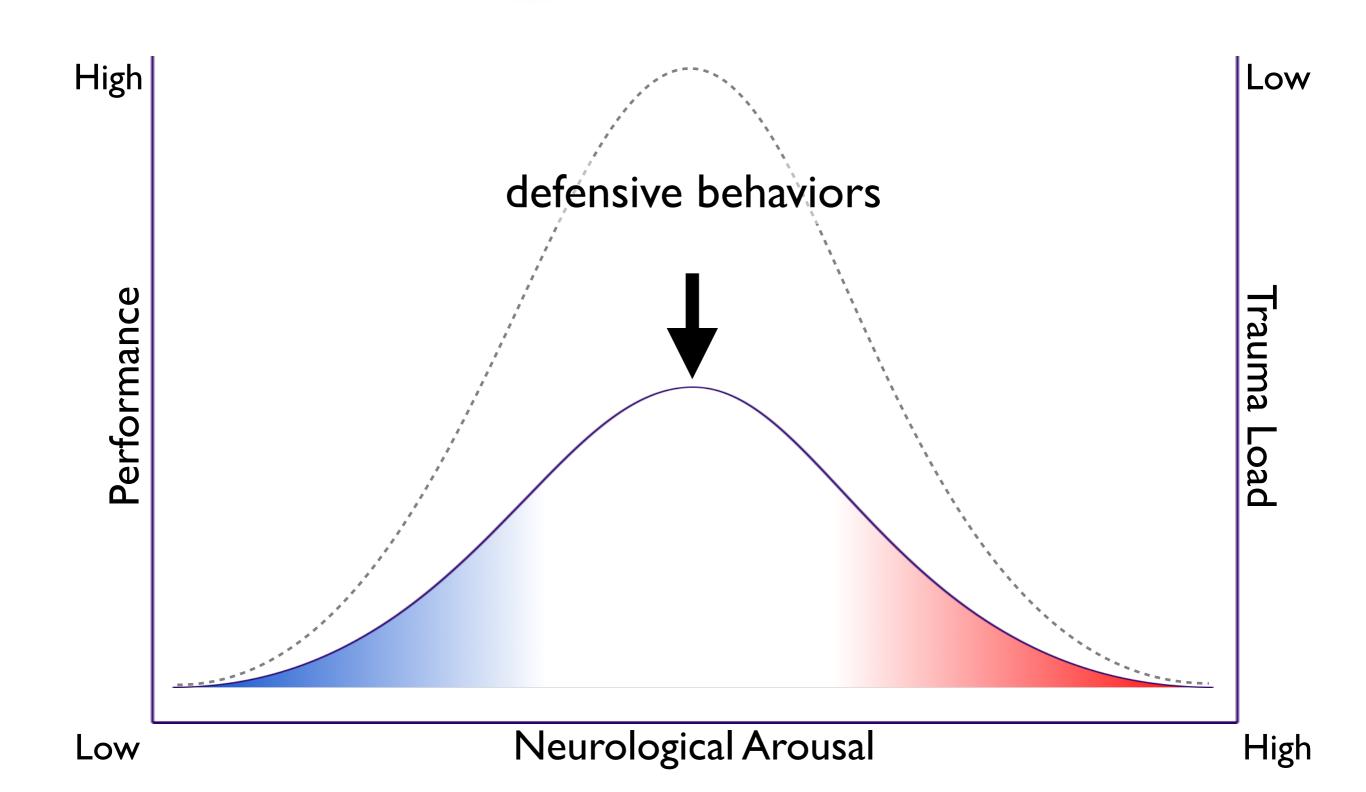
Caregiver is	Infant response	Child develops	Kind of attachment	Approx % of adults
responsive	has needs met	self-regulation & empathy	secure	60%
erratic	tries harder	urgency & distrust	anxious- resistant	20%
non- responsive	withdraws	distance & distrust	anxious- avoidant	15%
fearful or abusive	circuits jammed	confusion	disorganized /disoriented	5%

Trauma

- Neurological overload
- If unresolved, leads to habitual defenses
- Persistent defense patterns re-groove the trauma and inhibit resolution
- Even minor stress contributes
- Defenses trigger out-of-proportion reactions, dysregulation

Defensive Behaviors

Dissociation Projection Acting Out Regression Compensation Repression Repression Transference Displacement



Optimal-Zone Hygiene

- Name it to tame it
- Shake it off
- Breathe deep
- Wriggle your nose, lift your cheeks, laugh
- Choose kindness
- Hug, appropriate touch
- Eat or rest if needed
- Anything that releases held stress

Optimal-Zone First-Aid

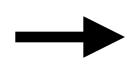
- Get agreement and shared understanding in a relationship or a group beforehand
- Train before you need it
- Center yourself first, slow down, breathe
- Acknowledge the signal in the trigger and commit to coming back to it
- Connect through empathy, kindness
- Return the focus to the present through breathing, body sensing, contact

Optimal-Zone Healing

- Deeper work benefits from skilled guides
- Needed if you are going to access more of your optimal-zone potential
- Somatic and cognitive
- Changes your relationship with your past, present and future

Empire to Planetary

Trauma Based



Trauma Resilient

Standard of Ur (war side)



Standard of Ur (hierarchy side)



