The UX of Fortnite













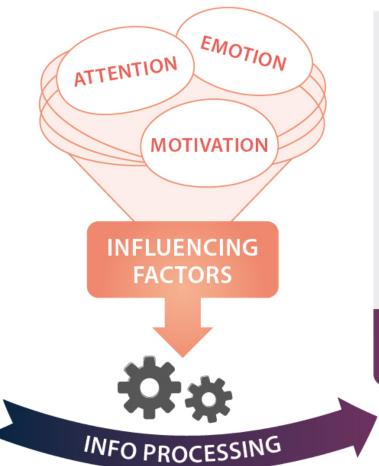
Cognitive Science

Game UX

Scientific Method

Cognitive Science

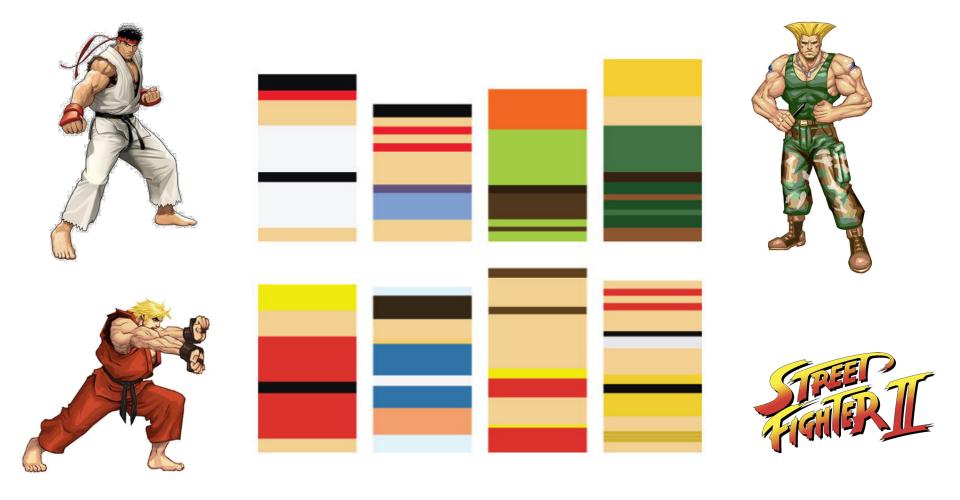






MEMORY

(synaptic modification)

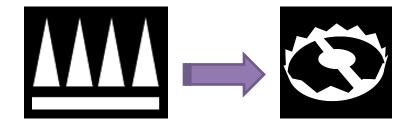


Street Fighter II characters as minimalized by artist Ashley Browning

Our PERCEPTION is subjective

Form Follows Function (affordance/signifier)



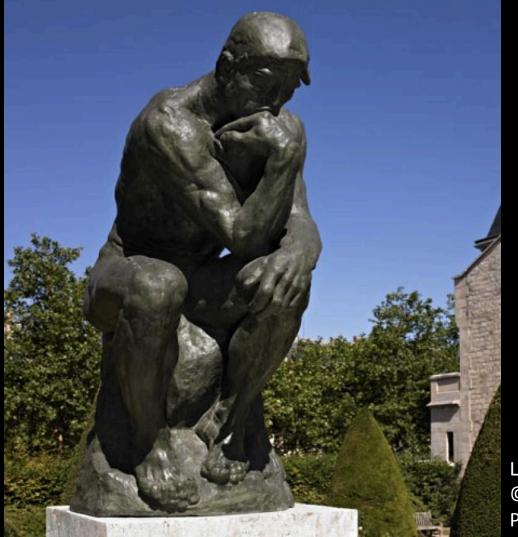


Fortnite 2013

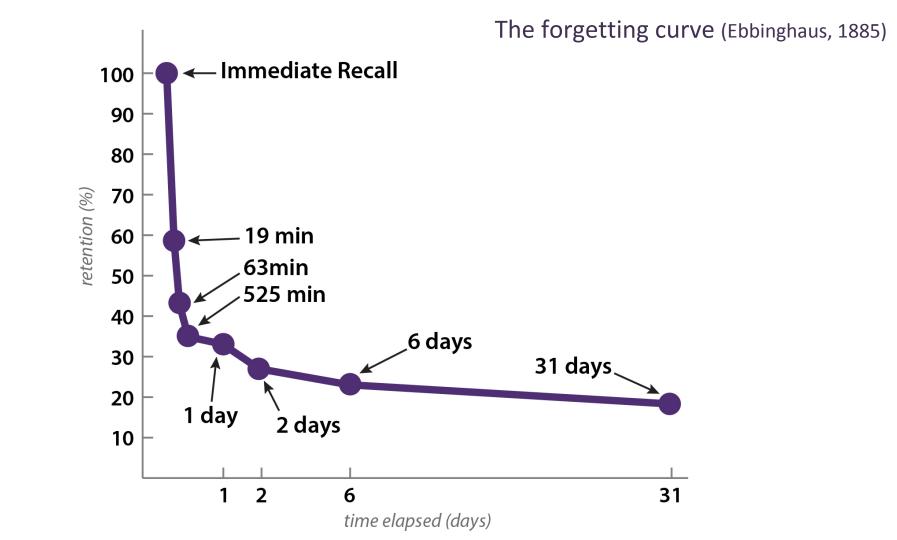


Try to visualize in your mind The Thinker (Le Penseur, Auguste Rodin).

Can you remember on which leg(s) lay which arm(s)?

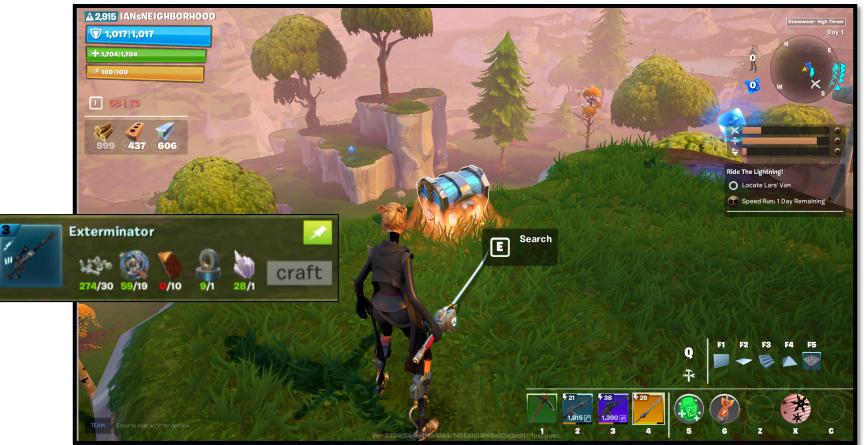


Le Penseur. © Musée Rodin Photo : Jean de Calan



Our MEMORY is fallible

Reduce memory load



Pick a card:













I bet I can guess which card you picked and make it disappear!











I've changed all the cards ©

→ "change blindness"

Our ATTENTION is scarce

Avoid multitasking



Fortnite (Sept 2014)

We can hardly pay attention to tutorial texts when busy killing zombies ...



PERCEPTION **ATTENTION MEMORY SUBJECTIVE SCARCE FALLIBLE**



Cognitive Science

Game UX

Scientific Method

Game UX

Game UX = Usability + Engage-ability



- Signs & Feedback
- Clarity
- Form Follows Function
- Consistency
- Minimum Workload
- Error Prevention / Recovery
- Flexibility

USABILITY

Game UX = Usability + Engage-ability



- Motivation
- competence, autonomy, relatedness meaning, rewards, implicit motives
- Emotion
- game feel, presence, surprises
- □ Game flow

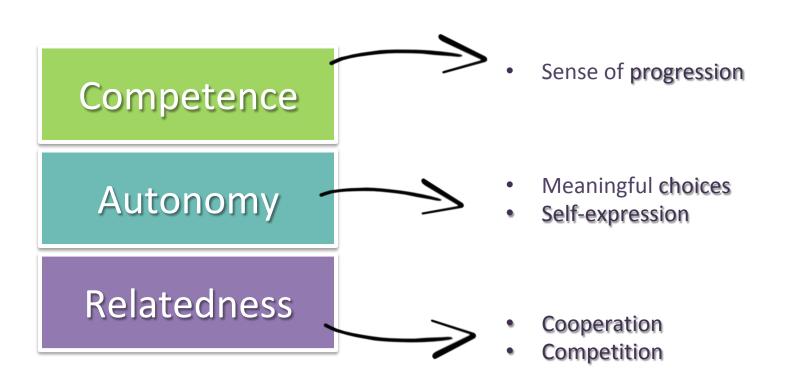
difficulty curve, pacing, learning curve

ENGAGE-ABILITY

Extrinsic motivation



Intrinsic motivation: Self-Determination Theory (SDT)

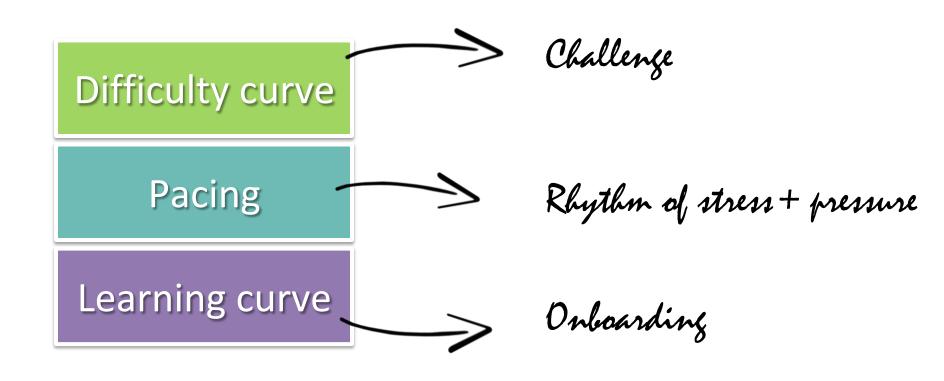


Emotion: Game feel



Fortnite (Closed Alpha)

Game flow







Game UX

Scientific Method

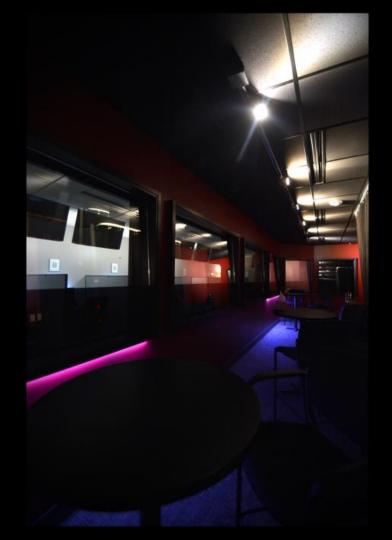


Scientific Method

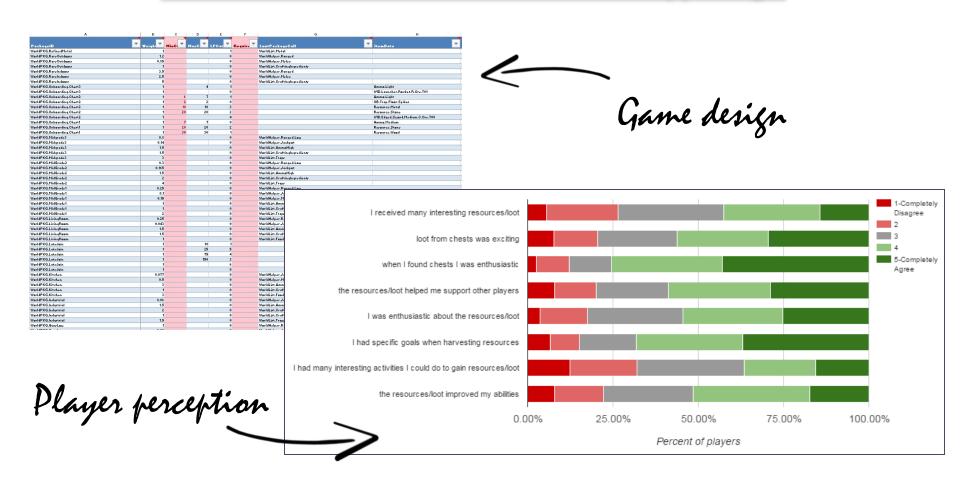








You found a weakness: find WHY it's happening



Find out why: feeling "grindy"



Fortnite (Closed Alpha)

USER EXPERIENCE

- Signs & Feedback
- Clarity
- Form Follows Function
- Consistency
- Minimum Workload
- Error Prevention / Recovery
- Flexibility

USABILITY

■ Motivation

competence, autonomy, relatedness meaning, rewards, implicit motives

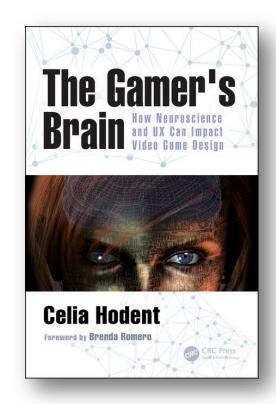
Emotion

game feel, presence, surprises

☐ Game flow

difficulty curve, pacing, learning curve

ENGAGE-ABILITY



THANKS!





Blog: celiahodent.com

Game UX Summit

→ Check videos on my YouTube channel (youtube.com/c/CeliaHodent)