

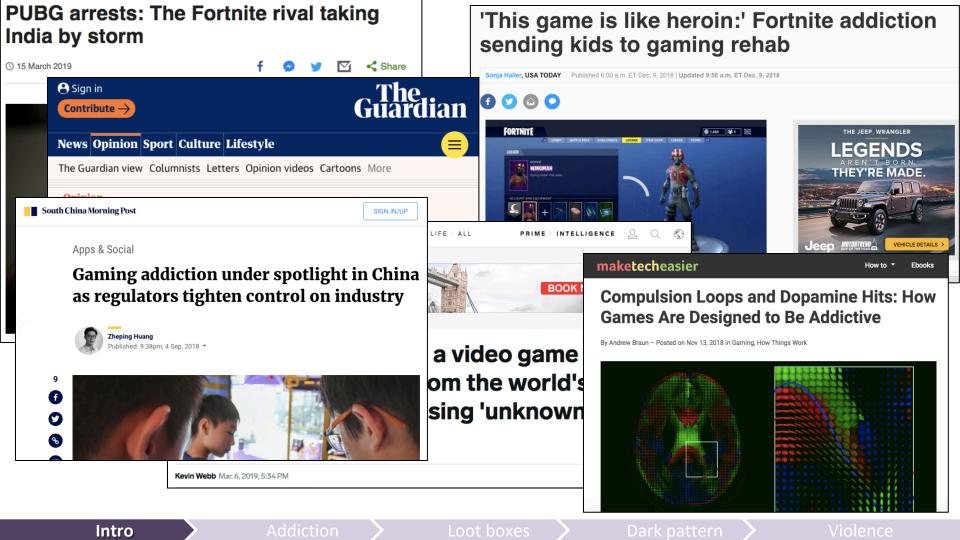
Ethics in the Game Industry

Celia Hodent, PhD.
Game UX Consultant, Independent



Blog & Resources: celiahodent.com

GAME DEVELOPERS CONFERENCE MARCH 18-22, 2019 | #GDC19



- Addiction
- Loot Boxes & Gambling
- Dark Patterns
- Violence

Public concern

What science says

What can we do?

Not exhaustive list!

→ Invitation to reflect on some ethical concerns

Intro Addiction Loot box

Dark patterr

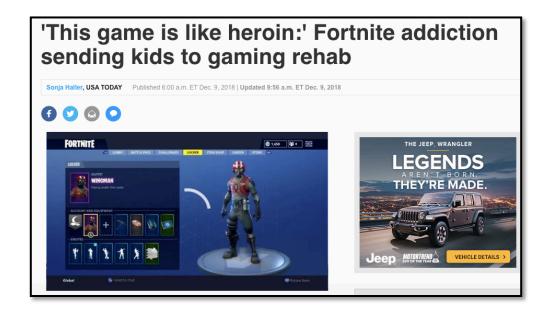
Violence

Addiction Loot boxes Dark Patterns Violence

Addiction

Public concern

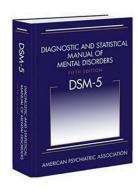
"Video games are 'addictive"



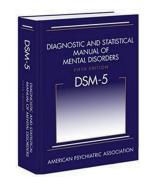
 "Internet gaming disorder" was added in 2013 in DSM-5 (recommending further research).



- "Internet gaming disorder" was added in 2013 in DSM-5 (recommending further research).
- Experiencing at least 5 symptoms within a year:
 - > Preoccupation with gaming
 - Withdrawal symptoms (sadness, anxiety, irritability)
 - > Tolerance (need to spend more time gaming to satisfy the urge)
 - ➤ Inability to reduce playing, can't quit
 - > Giving up other activities
 - > Continuing to game despite problems
 - > Deceiving family members or others
 - > The use of gaming to relieve negative moods (e.g. hopelessness)
 - > Risk, having jeopardized or lost a job or relationship due to gaming



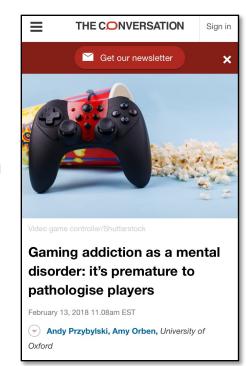
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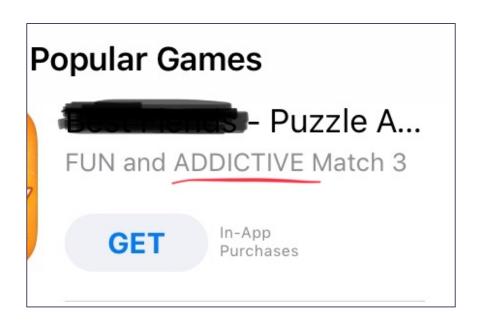
 "Gaming disorder" as a new entry in the ICD, announced by the WHO late 2017.



- No consensus: lack of rigorous research to back it up, while it creates a moral panic and can stigmatize the 2+ billion gamers.
- 0.3 to 1% of the general population might qualify for a potential diagnosis of internet gaming disorder. (Przybylski *et al.*, 2017)
- "Problematic gaming is best viewed as a coping mechanism associated with underlying problems such as anxiety or depression".

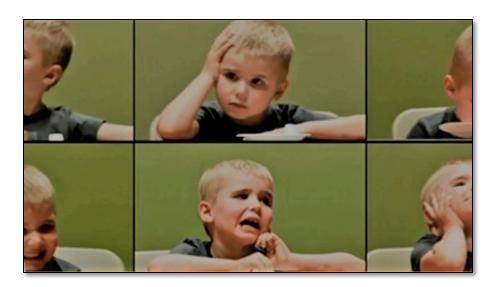


Avoid using the term "addictive" to describe a fun and engaging game.



Children and teenagers have low self-control & difficulty delaying gratification.

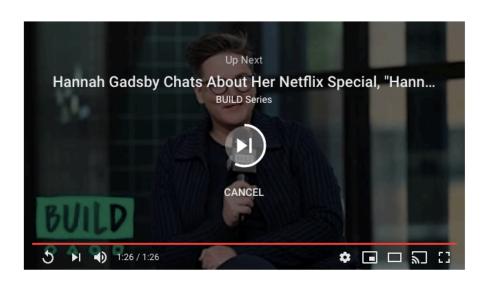
Protect minors: games rated T or E should have mechanics that encourage breaks.



Addiction Loot boxes

Attention economy (Tristan Harris): Could we find ways to reward breaks instead of rewarding constant engagement?

Avoiding punishing disengagement is a good start (e.g. WoW XP bar).





Intro

➤ If your game is successful, consider collaborating with psychiatrists to find ways to identify and help struggling gamers.

Consider working with researchers to help them define gaming disorder.



Dark Patterns

Violence

Loot Boxes & Gambling

Public concern

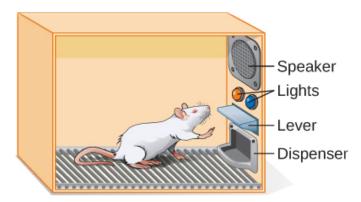
"Loot boxes are gambling"



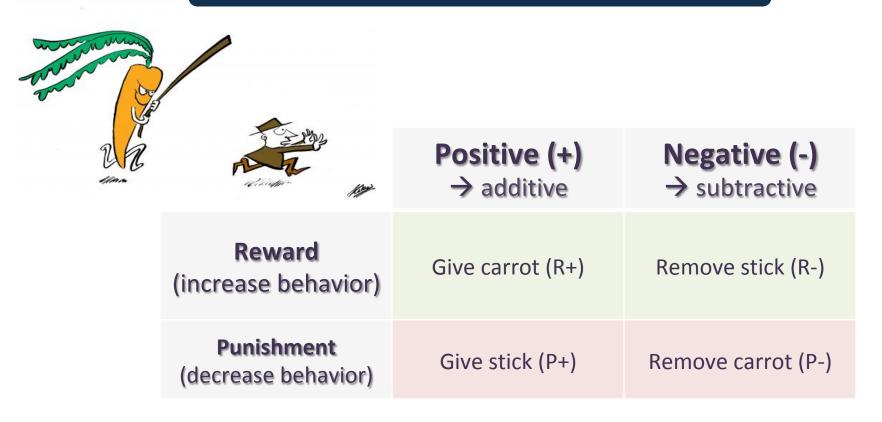
 Definition of gambling: playing a game for money or anything of value, mostly requiring an ability to cash out.

 Both gambling and lootboxes (and RNG) are a form of intermittent rewards with a variable ratio reinforcement

schedule.



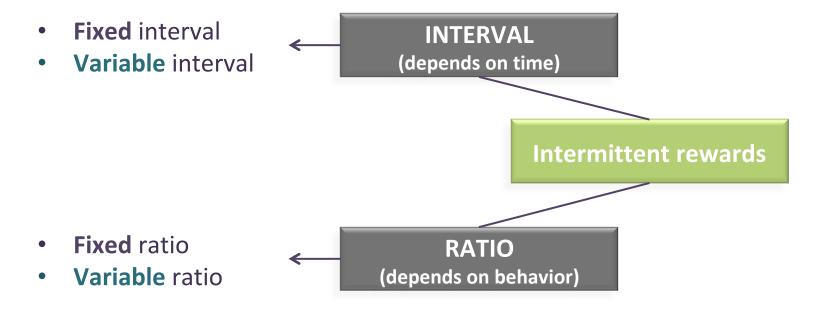
Variable ratio reinforcement schedule?



Types of rewards



Intermittent rewards



Fixed interval



Fortnite (Closed Alpha)

→ You get the reward after a fixed and determined amount of time.

Variable interval



World of Warcraft

→ Reward appears over time unexpectedly (e.g. rare spawns).

Fixed ratio



Plants vs. Zombies

→ You get the reward after a fixed and determined number of actions

Variable ratio

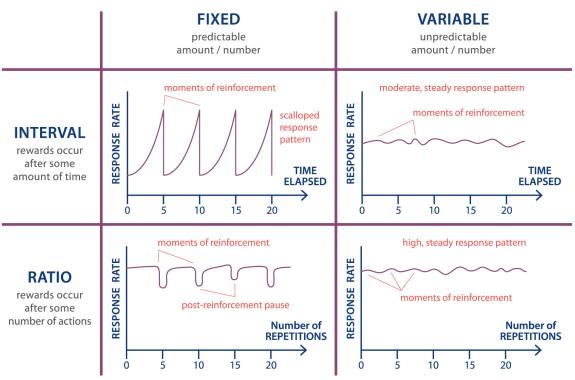


Hearthstone

→ You get a meaningful reward unexpectedly, after a various number of actions.

Intro Addiction Loot boxes Dark patterns

Impact on behavior



→ Variable Ratio (lootboxes):

High and steady reponse rate



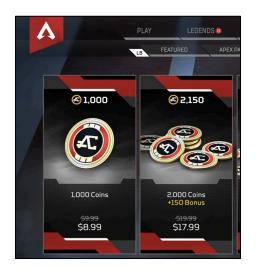








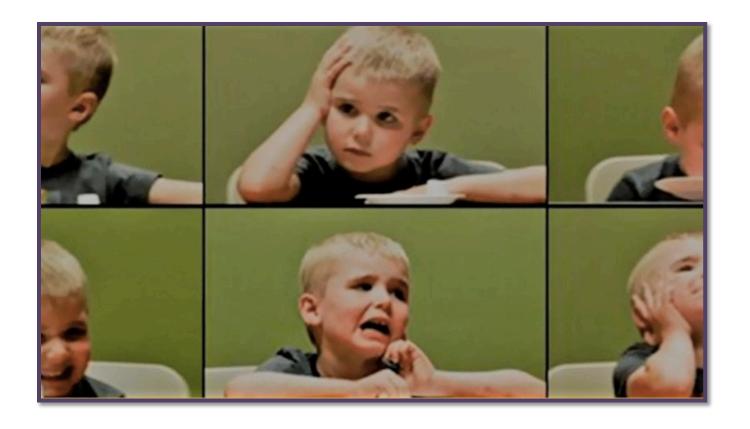












- Protect the children and teenagers: avoid lootboxes in T and E rated games.
- Do not allow for gambling ads on your T and E rated games.



Gambling ads to be banned from childfriendly sites and games

New rules also prohibit celebrities who look under-25 from appearing in promotions

Jim Waterson Media editor

16:01 PST Tuesday, 12 February 2019



- Explore more transparent monetization techniques & avoid intermittent rewards with a variable ratio reinforcement in monetization.
- Prohibit marketplaces where lootbox items can be sold.





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Dark Patterns

Public concern

"Video games manipulate us"







The bat costs \$10 more than the ball.

How much does the ball cost?



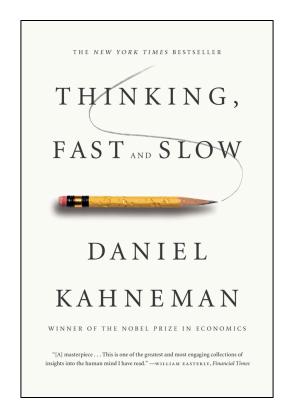
Frederick (2005)

Intro Addiction Loot boxes

Dark patterns Violence

Fast Automatic Effortless



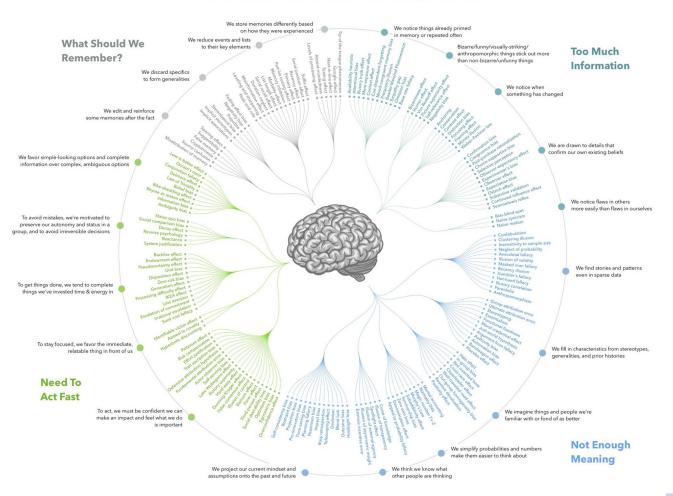


System 2 Slow Controlled Effortful

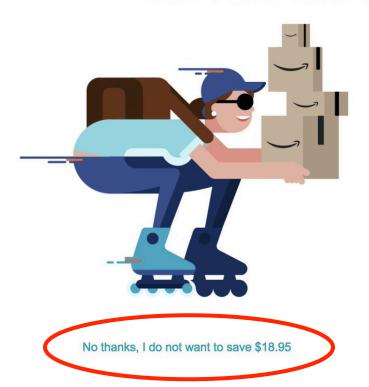


PERCEPTION **ATTENTION MEMORY SUBJECTIVE SCARCE FALLIBLE**

COGNITIVE BIAS CODEX, 2016



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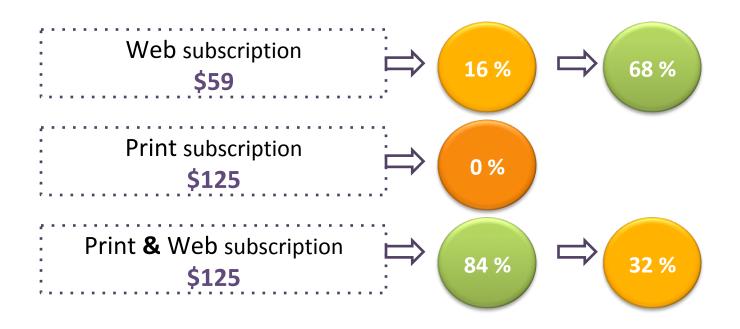


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GET STARTED



DARK PATTERNS.org



Decoy effect (Dan Ariely)

Decoy effect is used in monetization

Dark pattern or good UX?



World of Warcraft

What can we do?

- ➤ Avoid dark patterns for T and E-rated games (and reconsider in all other games):
 - Guilt-tripping
 - Loss aversion
 - FOMO
 - Pay-to-win / Pay to remove frictions
 - Social obligation
 - •



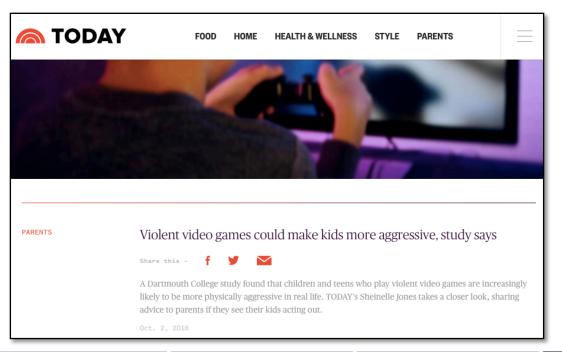
Violence

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Violence

Public concern

"Video games make us violent"



What science says

- No conclusive evidence that violent video games encourage aggressive behaviors.
- However, children & teens can be affected by violent content.

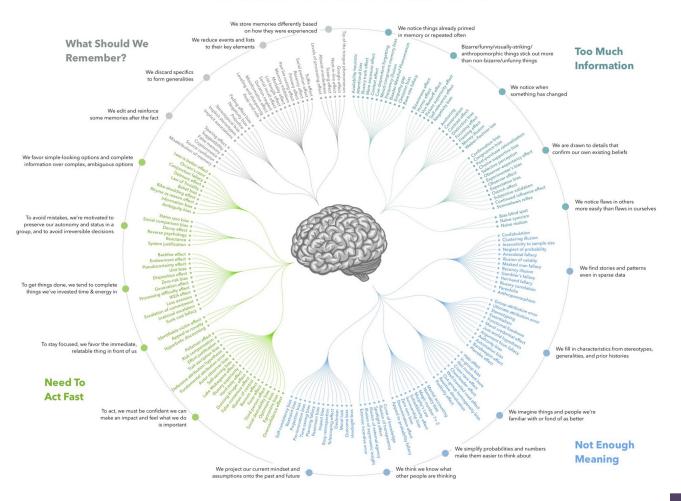


Violence

Intro Addiction Loot boxes Dark patterns

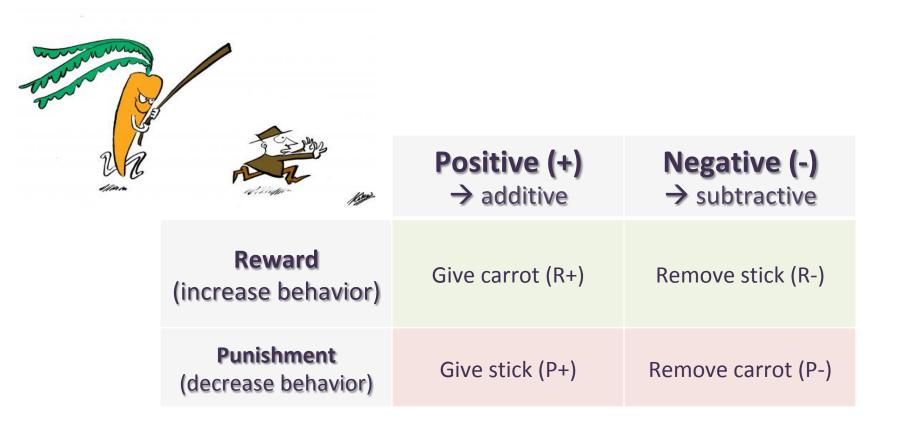
Violent video games may not be associated with aggression, but that does not mean their content is not problematic.

COGNITIVE BIAS CODEX, 2016



Choice architecture: design encourages certain behaviors while discourages or doesn't allow other behaviors.

Recommended book: The Ethics of Computer Games, by Miguel Sicart



What are you encouraging & discouraging in your game?

What is it normalizing in the name of fun?

What can we do?

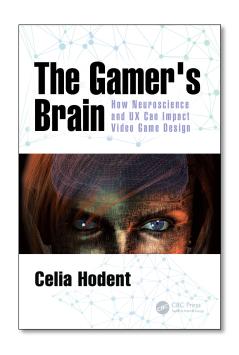
- Be mindful that despite ESRB ratings, minors might get access to violent games and feel **distressed** by them.
- We are **responsible** for the content in our games. Consider if your game is perpetuating discrimination or, worse, glorifying harmful behaviors.
- Protect your players from antisocial behaviors (check FairPlayAlliance.org).
- Be conscious that people with bad intentions will use your game and social platforms to harm others.



"There is no such thing as 'neutral' design."

R.H. Thaler & C.R. Sunstein, Nudge

THANKS!







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