

Idle Games: The Mechanics and Monetization of Self-Playing Games

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GAME DEVELOPERS CONFERENCE®

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Who am I?

- At Kongregate for 6 years, directing our browser-based virtual goods business
- Producer for AdVenture Capitalist
- Also an indie designer,
 cofounder of Level Up Labs





What is Kongregate?

- Open platform for browser-based games
 - Flash, Unity, HTML5, etc.
 - 16M+ monthly unique visitors worldwide



- Core gamers 85% male, average age of 22
 - MMOs, RPGs, CCGs/TCGs, TD, shooters, etc.
- Platform level virtual currency "kreds" for F2P games
- Acquired by GameStop July 2010

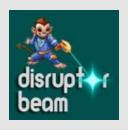
Some of Kongregate's Partners



























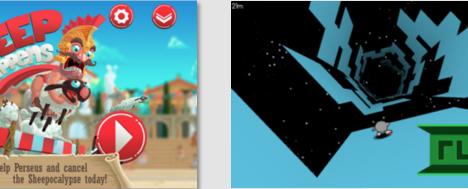
Kongregate is also a mobile publisher













RULES: MAKE NUMBER GO UP

NUMBER:

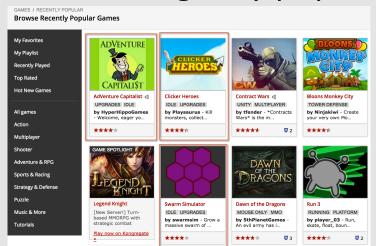
22.5

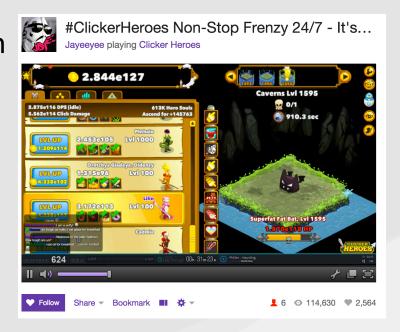
NUMBER GO UP SPEED: 3.5

MAKE NUMBER GO UP FASTER (COST: 4.5 NUMBER)

Why Are We Talking About This?

- It's the birth of a new genre
 - Only 2 years old in modern form
- It is becoming very popular!





Why Are We Talking About This?

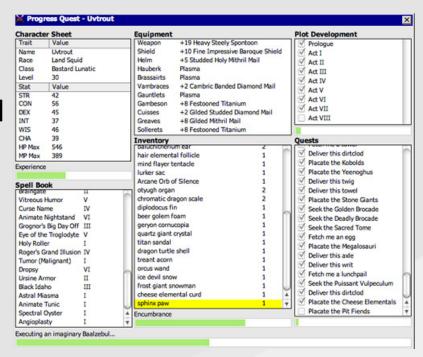
- Fabulous retention stats
 - Some of the best-retaining games on all of Kongregate.com
- Generates great revenue
 - ARPUs well-above most single-player games on Kongregate.com

History and Evolution

- Progress Quest (2002, Eric Fredricksen)
 - Parody of MMORPGs stats and auto-attack
 - A "zero player" game

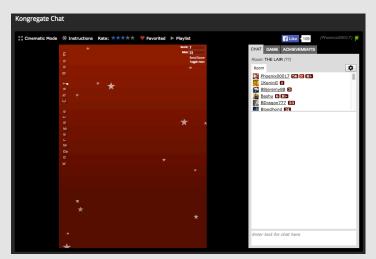
"Gameplay" [edit]

After character creation the "game" runs its course. The the character has. Then the first act begins, and the cha "executing a passing (player character)", only disrupted one monster-specific item of loot, player characters will a

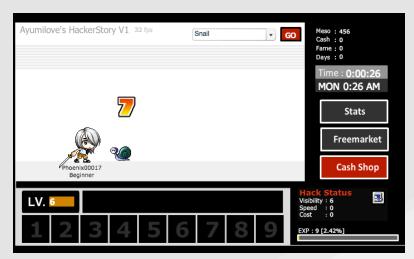


History and Evolution

 Kongregate's chat system created early breeding ground for "idle" games



Kongregate Chat (jmtb02, 2007)



Ayumilove HackerStory V1 (Ayumilove, 2008)

- Anti-Idle (2009, tukkun)
 - Has both active and idle elements
 - Huge, with tons of content
 - Receiving new features and updates 6 years later
 - Literally yesterday!

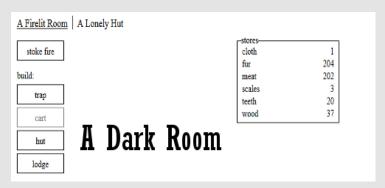


- Cow Clicker (2010, Ian Bogost)
 - Parody of Farmville and other similar appointment social games

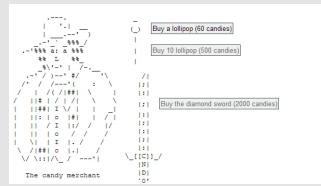


History and Evolution

• A Dark Room (2013, Doublespeak Games), Candy Box (2013, aniewey)



A Dark Room (Doublespeak Games)



Candy Box (aniewey)

 Finite, can be beaten, more puzzle-like and explorationbased

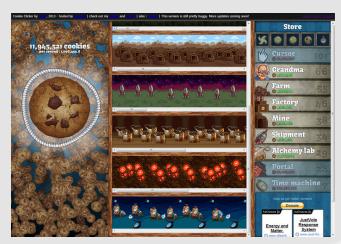
History and Evolution

• Cookie Clicker (2013, Julien "Orteil" Thiennot)

Parody of Candy Box

"At first I couldn't tell if people were just going along with the joke or actually being serious."

- First major mainstream hit
 - Arguably created the genre in its modern form
 - Established a basis for progression, upgrading, and prestiging imitated by most other idle games



- AdVenture Capitalist (2014, Cody Vigue / Hyper Hippo Games)
 - Parody of capitalism and idle games
 - Offline progress
 - More animated through progress bars



- Clicker Heroes (2014, Playsaurus)
 - Clearer RPG-style progression
 - Addition of cooldown skills
 - Great visuals thanks to clever reuse of assets from their MMORPG (Cloudstone)
 - Tap Titans (Game Hive) is a close derivative that incorporated great presentation and mobile UI



- Make It Rain (Space Inch, 2014)
 - First major mobile idle game
 - Hilarious concept, very viral
 - Idle elements were heavily limited, requiring check-ins to progress
 - Aggressive ad strategy
 - Pretty brutal FBI monetization



- Bitcoin Billionaire (Michael Stockwell / Noodlecake, 2014)
 - Fantastic style, tone, and topic
 - Very clear goals and presentation
 - Great use of opt-in ads
 - Strong appointment mechanics, very limited offline progress
 - Offline progress is actually a central monetization element...a mistake?



Other Notable Entries

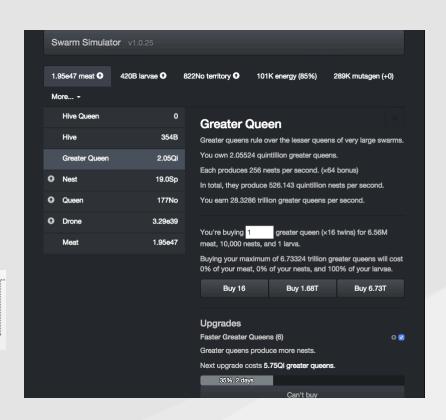
- DripStat (dripstat.com/game)
 - Fantastic visualization of information
 - Global live leaderboard
 - Realtime contributions from other players



Other Notable Entries

- Swarm Simulator (kawaritai, 2015)
 - Explores a new funnel-based economy
 - Proving extremely popular

Published Feb. 16, 2015 with 1,004,264 gameplays



- Progress without interaction
 - Low pressure experience
 - Constant positive growth and feedback
 - Quick check-ins can be very profitable by shifting up the growth curve
 - Great for social/mobile play patterns

- Progress without interaction
 - Creates a celebratory moment every time you return to the game
 - The longer you don't the play the game, the bigger the reason to return!
 - Forced appointment mechanics become an unnecessary element
 - Even daily rewards aren't used



AdVenture Capitalist

- Progress without interaction
 - Retention is often off the charts



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 - Retention is often off the charts



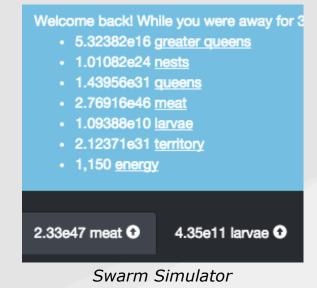
Idle Game Core Mechanics

- Rapid growth of costs and power/rewards
 - Leads to increased sense of progress, psychologically fun

and satisfying

\$31.954 DUOQUADRAGINTILLION

AdVenture Capitalist



- Rapid growth of costs and power/rewards
 - Core loop:
 - Log in
 - Spend all of your cash
 - Log out, to return in a few hours
 - Sound familiar?

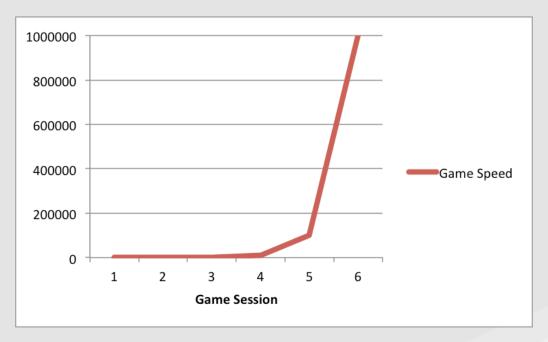


Cityville (Zynga)

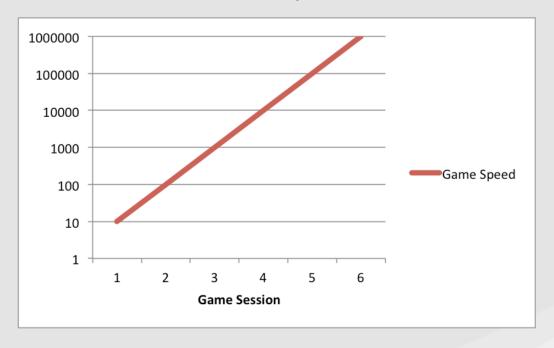
- Rapid growth of costs and power/rewards
 - Creates a "natural" energy system without the need for an energy currency
 - More palatable to players (esp. "gamers")
 - Has real-world analog, makes sense.
 - "I'm out of cash, need to come back when I have more."
 - Player feels more ownership over this decision.
 - "I could wait, but my time is worth more than that."

- Rapid growth of costs and power/rewards
 - Counter-balances offline play: yes, you get big rewards, but they grow linearly
 - Time loses value without interaction

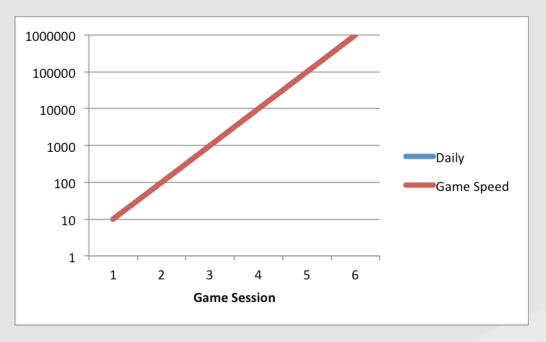
Idle Game Core Mechanics



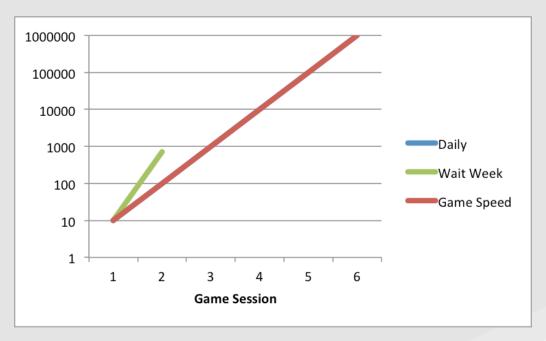
Idle Game Core Mechanics



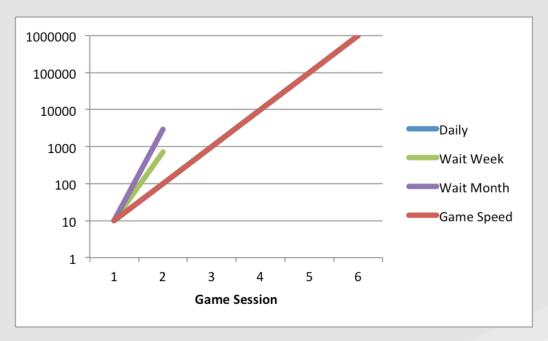
Idle Game Core Mechanics



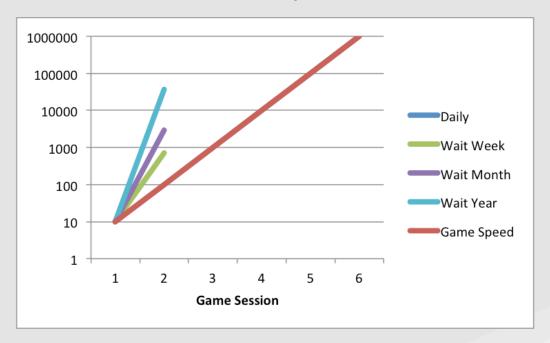
Idle Game Core Mechanics



Idle Game Core Mechanics



Idle Game Core Mechanics



- Tons of goals and achievements
 - Provides moments of joy spread out through the experience
 - Allow for moment-tomoment optimization and (temporarily) meaningful choices



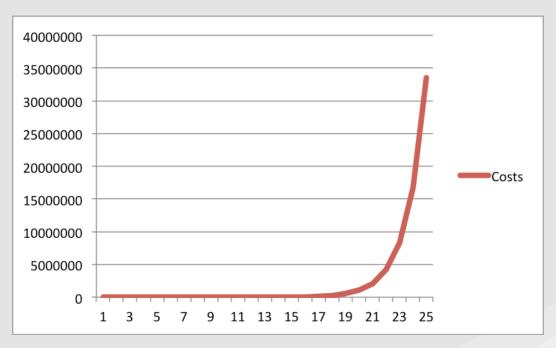
- "Prestiging" (New Game+)
 - Choose to reset your game to get a boost the next time through
 - Start back over, but with much more power than before



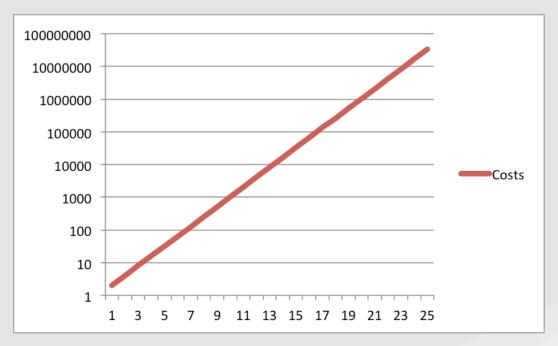
Tap Titans

- "Prestiging" (New Game+)
 - Provides a crucial strategic decision for the player
 - Often tied to a separate currency
 - This lets you transform exponential growth back to linear
 - Leads to a new gameplay loop

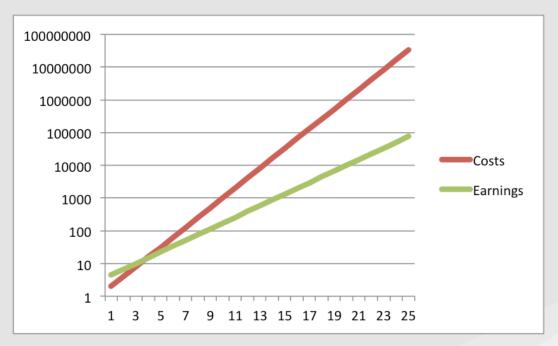
Idle Game Core Mechanics



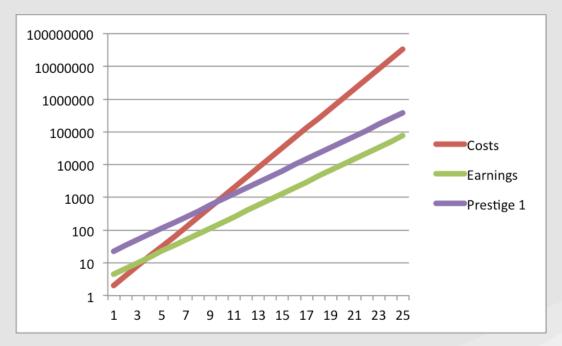
Idle Game Core Mechanics



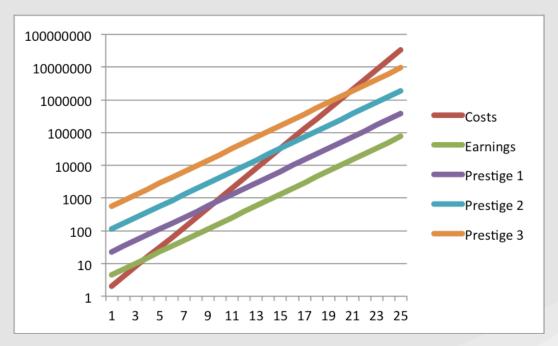
Idle Game Core Mechanics



Idle Game Core Mechanics

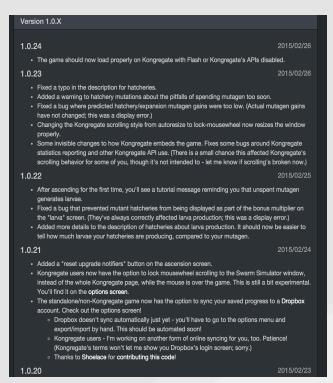


Idle Game Core Mechanics

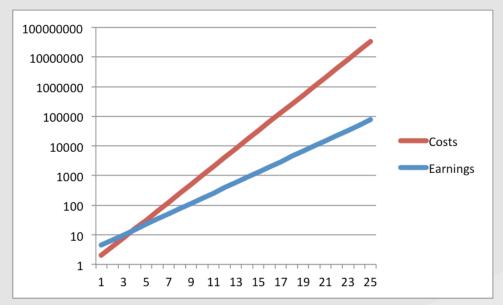


- "Prestiging" (New Game+)
 - Ladder climbing
 - Start over, but get a rung higher each time
 - Gives a great sense of progress, flying through early content quickly. Feel incredibly powerful

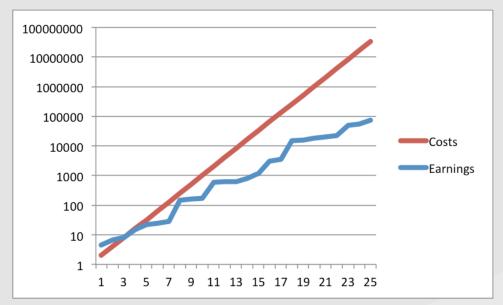
- Regular updates
 - Simple design and code allows for rapid iteration
 - Balance
 - UI/UX
 - Features & content
 - True for every successful idle game on Kongregate.com



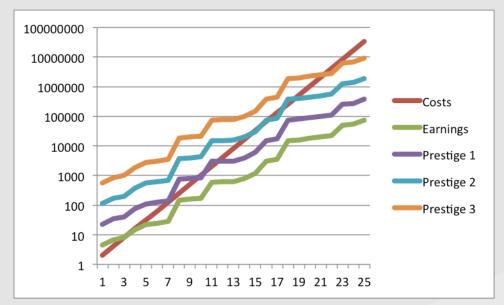
- Make It Bumpy
 - Smooth curves are boring, lack surprise and delight



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- Make It Bumpy
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Idle Elements in Other Genres

Real-time social and strategy games

Progresses while gone, though with hard caps (crops

planted or max resource storage)



Hay Day (Supercell)



Mafia Wars (Zynga)



Game & bfW&a (M&a trinlepZon);)

Idle Elements in Other Genres

- Chinese MMORPGs
 - Current trend is becoming heavily auto-play
 - Can include "afk" mode



Mythborne (R2 Games)

Idle Elements in Other Genres

- Chinese MMORPGs
 - About min-maxing stats,
 making decisions optimize
 power gains
 - Western audiences seem to be resistant to this
 - Expectation management?



Wartune (R2 Games)

Idle Elements in Other Genres

- Launch games
 - Tight-loop prestige systems
 - Usually no choice over prestige point, but similar feel of ladderclimbing progression



Curl Up and Fly (John Cooney / Kongregate)

- Cash infusion
 - Get a percentage of current rate
 - Time warp
- Speed multipliers
 - Buy a permanent x3 multiplier

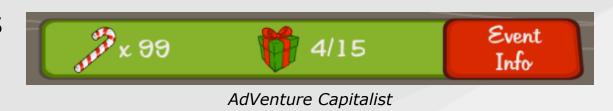


Clicker Heroes



AdVenture Capitalist

- Instant prestige
- Protection against negative events
 - Bribe money for FBI (Make it Rain)
 - Shield for your heroes (Tap Titans)
- Gacha system (random pulls of upgrades)
- Event currencies



- Banner/Interstitial ads
- Opt-in ads
 - Short burst of cash
 - Small bit of premium currency
 - Brief powerful boost
 - Relief of a negative status
 - Medium-length small boost



Bitcoin Billionaire

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Bitcoin Billionaire

- *Idling to Rule the Gods* (Ryu82, 2014)
 - Branched out with some new mechanics
 - Many new systems added post-launch
 - Made a ton of UI changes early on to address player concerns



- *Idling to Rule the Gods* (Ryu82, 2014)
 - Branched out with some new mechanics
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 - Made a ton of UI changes early on to address player concerns



- Idling to Rule the Gods
 - Complicated interactions with deep, dense systems and lots of content



- Idling to Rule the Gods
 - Monetization is heavily focused on "God Power" premium currency, buying permanent boosts
 - Temporary (90 min and untilprestige) boosts exist, but only about 12% of revenue

Here you can buy various offers with your god power.		
You have: 2		
You can adjust unused god power for additional stat n	nultiplier.	
Boni Physical: 0 %		
Boni Mystic: 0 %		
Boni Battle: 0 %		
Boni Creating: 0 %		
Your current creating speed multiplier: 35 %		
Your current building speed multiplier: 0 %		
Increase creating speed permanently by 2%	Get it for 1	8
Increase creating speed permanently by 5%	Get it for 2	
Increase creating speed permanently by 15%	Get it for 5	8
Increase creating speed permanently by 35%	Catilday 10	

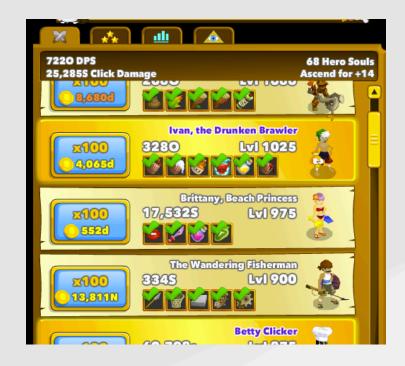
Case Studies

• Idling to Rule the Gods





- Clicker Heroes
 - Does a great job spreading value across heroes



- Clicker Heroes
 - Use of RPG-like cooldown skills provides quick action gameplay and very light strategy



- Clicker Heroes
 - Prestige system
 involves a currency
 system (Hero Souls)
 with a trade-off
 between DPS bonus
 and ancient
 summoning



- Clicker Heroes
 - Cash infusion and instant prestige



- Clicker Heroes
 - Simple but effective gacha system
 - Allows for multiple, valuable purchases



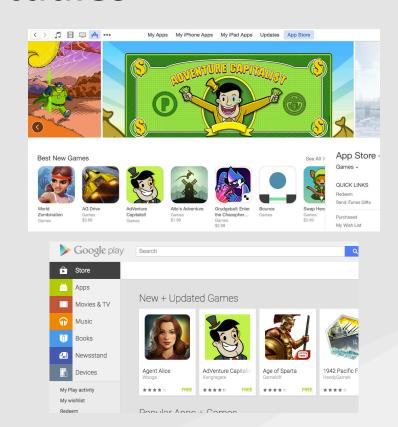
Case Studies

Clicker Heroes





- AdVenture Capitalist
 - Appeal to both browser and mobile audiences
 - Heavy use of theme,
 tone, and humor



- AdVenture Capitalist
 - Appeal to both browser and mobile audiences
 - Heavy use of theme,
 tone, and humor



- AdVenture Capitalist
 - Effective ad implementation
 - Fits the theme well
 - Provides high value to player
 - Is relatively scarce, keeps tolerance high from players
 - Has some bugs, people complain that they can't watch ads!



- AdVenture Capitalist
 - Early purchase of a x3 multiplier is extremely compelling
 - One of the highest buyer percentages on Kongregate.com
 - Unlocks bulk multipliers over time



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Case Studies

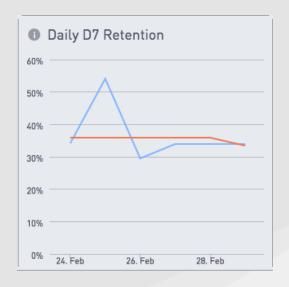
AdVenture Capitalist





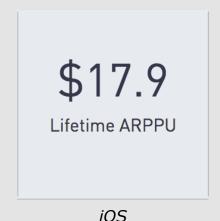
- AdVenture Capitalist
 - Mobile retention held up well





Case Studies

- AdVenture Capitalist
 - As did mobile ARPPU





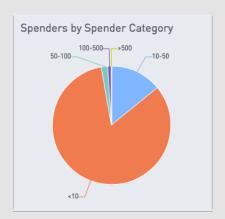
Kongregate.com

COUNTRY	ARPPU
Average	\$12.97
✓ ■ United States	\$12.60
United Kingdom	\$13.76
Gormany	¢11 RE

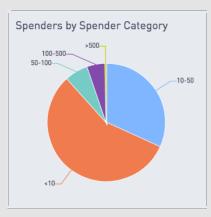
Android

Case Studies

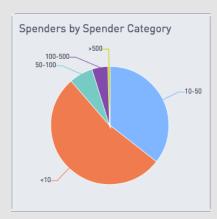
Spender categories let us see distribution



AdVenture Capitalist



Clicker Heroes

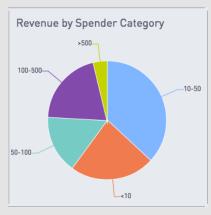


Idling to Rule the Gods

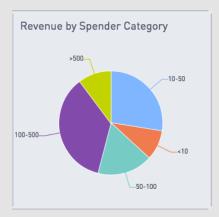
Each game has \$1000+ spenders

Case Studies

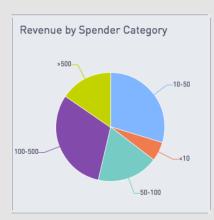
Revenue distribution shows a very different picture



AdVenture Capitalist



Clicker Heroes



Idling to Rule the Gods

This picture is common for successful games though

What's Next?

- "Classic" spreadsheet-like idle games lose favor to more sophisticated visualization and presentation
- Idle spin-offs of games and brands



What's Next?

- "Idle" becomes a modifier like "RPG"
 - Idle Tactics, Action Idle RPG, Idle
 Match-3
- Idle design philosophies integrate into meta-game of standard genres



Puzzle Fuzz: Idle Stories (Andrew Pellerano / Kongregate)

Thank You!

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- Mobile games: bd@kongregate.com
- Me: anthony@kongregate.com