

# **CASINO REPORT**

Competitive Research and Actionable Product Recommendations

# **LIQUID&GRIT**

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# JULY

3

8

12

17

# **REVENUE DRIVER**

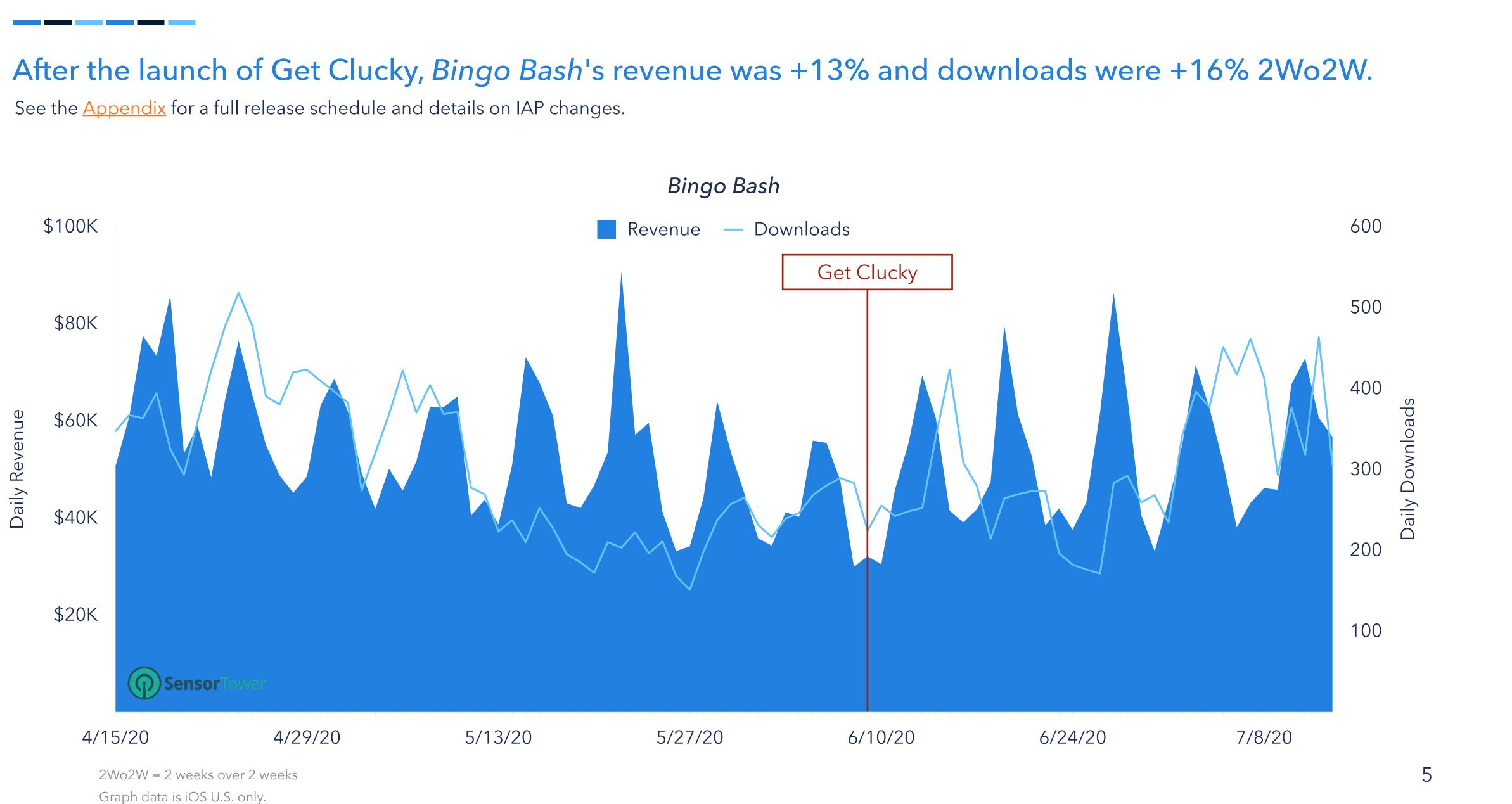
Revenue-boosting features and events with product data and recommendations



## **CASINO > FEATURES > EXPANSIONS**

# BINGO ROOM WITH COLLECTION PUZZLE MINI-GAME Get Clucky in Bingo Bash

## **REVENUE ANALYSIS**



## **FEATURE TEARDOWN**

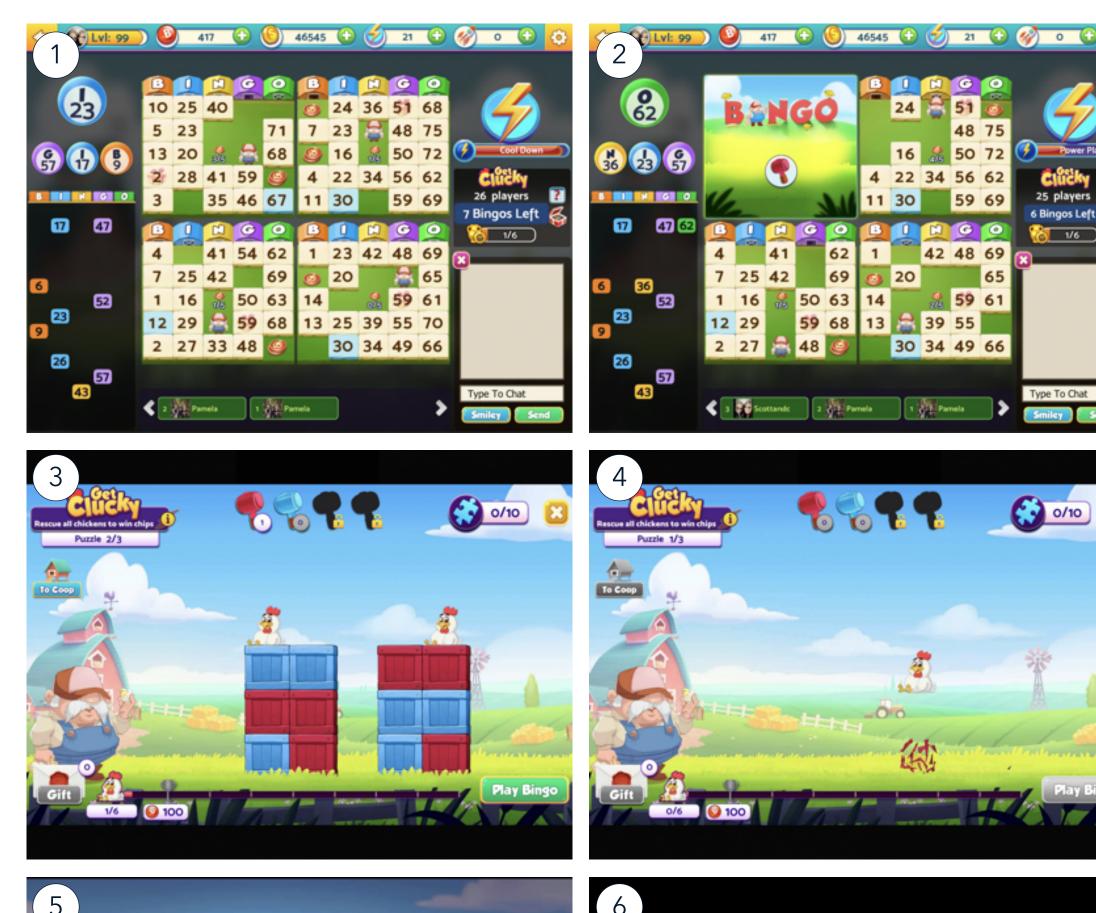
## Bingos award hammers that players use to break crates in a puzzle mini-game.

#### Details

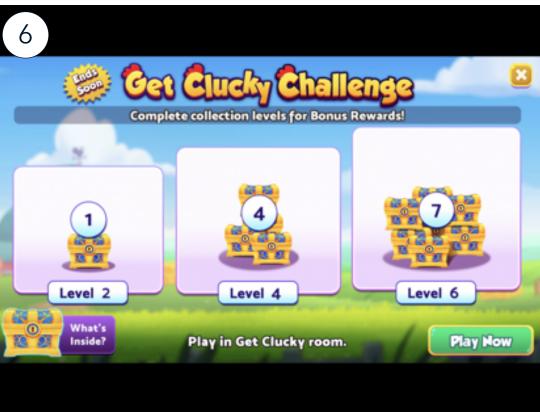
- Players daub cells to reveal pennies and clear a path for a farmer (<u>1</u> and <u>video</u>).
- Collecting five pennies with the farmer awards a bingo.
- Bingos grant one of four colored hammers ( $\underline{2}$ ).
- Hammers are used to break same-colored crates in a mini-game.
  - Stacks of colored crates hold up chickens  $(\underline{3})$ .
  - Hammers break all connected crates of the same color.
  - Chickens are collected when they reach the ground  $(\underline{4})$ .
  - Collecting all chickens completes the level (<u>5</u>).
- Completed levels unlock additional hammer colors.
- Levels award increasing numbers of chests at intervals (<u>6</u>).
- Chickens fill a meter for rewards at milestones.

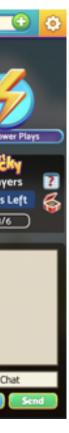
#### **Additional Information**

• See the <u>Get Clucky</u> Library for more images and videos.













# **PRODUCT INSIGHTS**

### Bingo players enjoy collection bonuses and believe that they can control game outcomes.

<u>Get Clucky</u>'s hammer collection and crate-breaking bonus appeals most to Sensation Serena player types, who have the greatest preference for both bingo play and collection bonuses. Notably, these players also believe strongly in their ability to control outcomes. Adding elements of control to bingo games–like puzzles or Deal or No Deal bonuses–will likely increase engagement from these players.<sup>1</sup>

### Perceived agency increases engagement and retention.

The simple puzzles in Get Clucky offer a sense of agency in an otherwise chance-based game. While these levels are not particularly complex, the correct choices allow players to complete them using the fewest hammers possible (<u>1</u>).

Research has found that perceived agency can greatly alter the way players experience games of chance. In one study, adding a stopping device to a slots video game caused 58% of participants to believe that they were affecting outcomes and 32% to believe that stopping spins increased their winnings–*despite having the same win rate* as a control group without the stopping device. Most importantly, players with the stopping device played nearly twice as many games as the control group over a six-month period.<sup>2</sup>

**These changes in perception can also lead to more spending.** Other research has demonstrated that perceived agency improves player confidence and is strongly correlated with a greater willingness to make purchases in order to exercise control.<sup>3</sup> Consider offering purchasable boosts when perceived agency is high, like during choice-based bonuses.

### Agency is inherently rewarding.

Bingo Bash has had success with puzzle-style reward stages before: In <u>Merry Maze</u>, which saw revenue increase +29% WoW, players collected tools to overcome obstacles while navigating simple maze levels (<u>2</u>).

Multiple studies have found that players will pursue agency regardless of whether their actions are rewarded. In fact, players will even make choices that *decrease* the chance of rewards just because they can-suggesting that agency acts as a reward in itself.<sup>4</sup> In light of this, introducing agency to reward stages in the form of mini-games or pick'ems may create a doubly satisfying experience.





<sup>3</sup> Let me take the wheel: Illusory control and sense of agency, "Discussion"
<sup>4</sup> I control therefore I do: Judgments of agency influence action selection, p. 129-1



<sup>&</sup>lt;sup>2</sup> Structural Characteristics of Video Lotteries: Effects of a Stopping Device <sup>4</sup> I control therefore I do: Judgments of agency influence action selection, p. 129–130 on Illusion of Control and Gambling Persistence, p. 128–129

**Slots apps:** Big Fish Casino, Caesars Slots, Cash Frenzy, Cashman Casino, DoubleDown Casino, DoubleU Casino, Game of Thrones Slots, Gold Fish Casino, Heart of Vegas, Hit It Rich!, House of Fun, Huuuge Casino, Jackpot Magic Slots, Jackpot Party, Lightning Link Casino, Lotsa Slots, my KONAMI, myVEGAS, POP! Slots, Quick Hit Slots, Scatter Slots, Slotomania, and Wizard of Oz: Casino Slots Bingo apps: Bingo Bash, Bingo Blitz, Bingo Party, Bingo Pop, and Bingo Showdown Poker apps: Governor of Poker 3, Mega Hit Poker, Poker Heat: Texas Holdem Poker, Pokerist, WSOP, and Zynga Poker - Texas Holdem

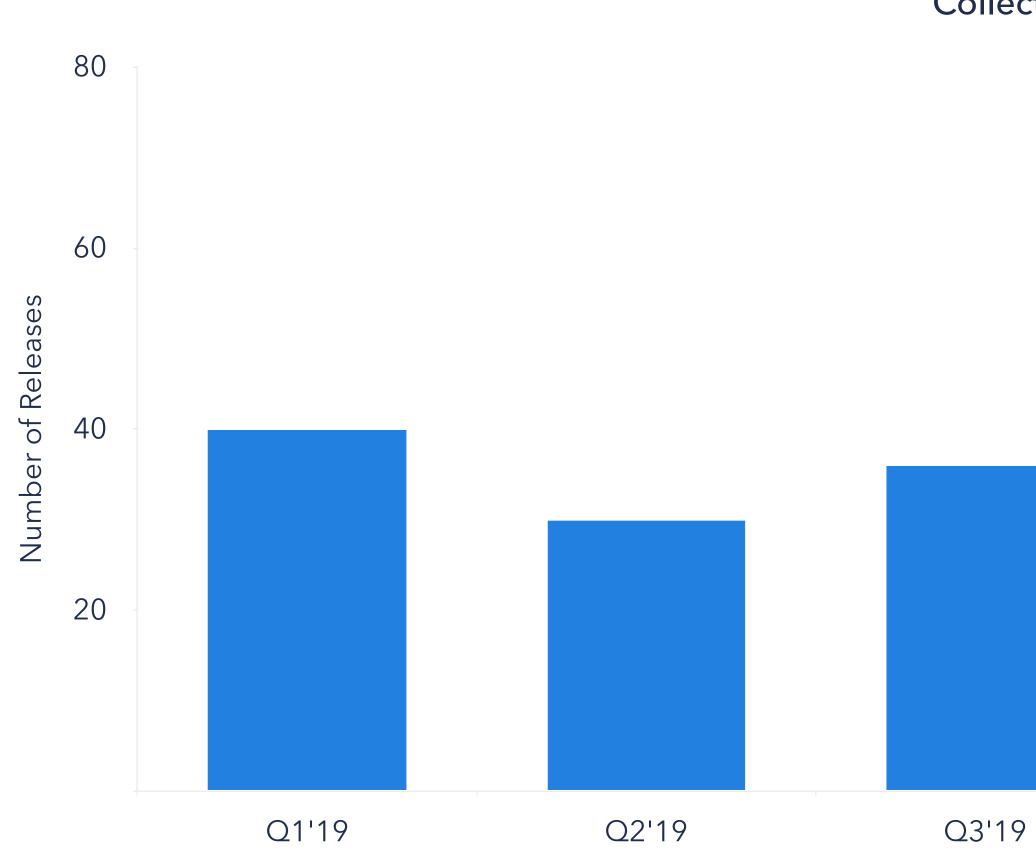
# TRENDS

### Investment trends for features and events

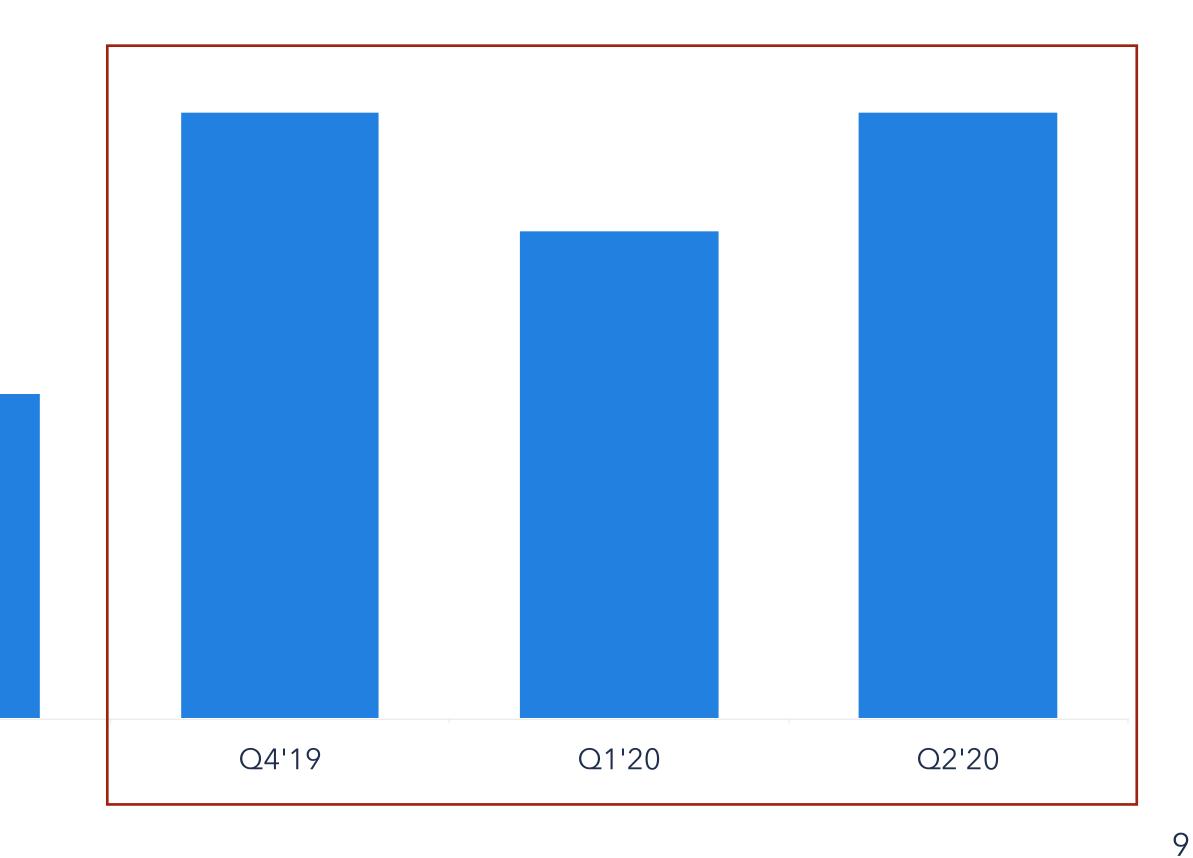


# **COLLECTION EVENTS ARE GROWING**

Tracked casino apps released an average of 62 collection events per quarter for the past three quarters-a +77% increase over the three preceding quarters.



**Collection Event Investment** 

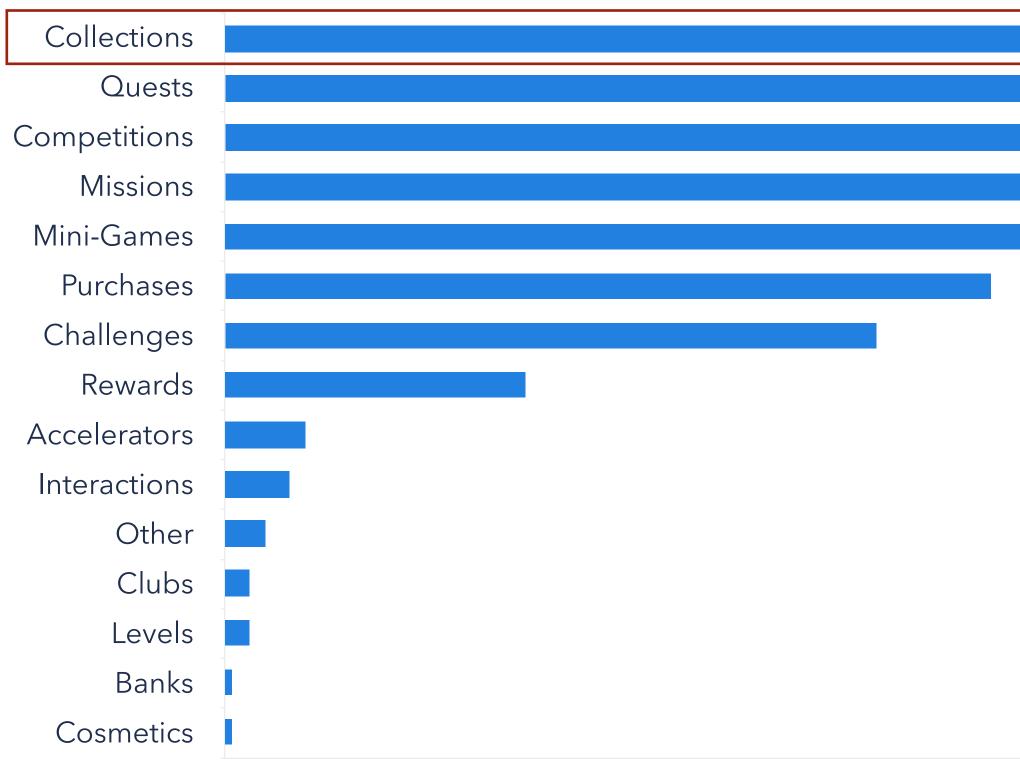




# **COLLECTION EVENTS DOMINATE CASINO RELEASES**

Collections are the most frequently released casino events by far, nearly doubling the next most common event type and making up 24% of all events released in the past year.

Casino Event Investment (Past 12 Months)







# **BINGO BASH FAVORS COLLECTIONS AND CHALLENGES**

*Bingo Bash* released an above-average proportion of collection events in the past year. Collections accounted for 37% of its events compared to the 24% genre-wide average. Challenge events were *Bingo Bash*'s second most common event type despite ranking seventh across the genre.

Bingo Bash Event Investment (Past 12 Months)

Collections	
Challenges	
Competitions	
Quests	
Accelerators	
Mini-Games	
Purchases	

2

4

# MARKET WATCH

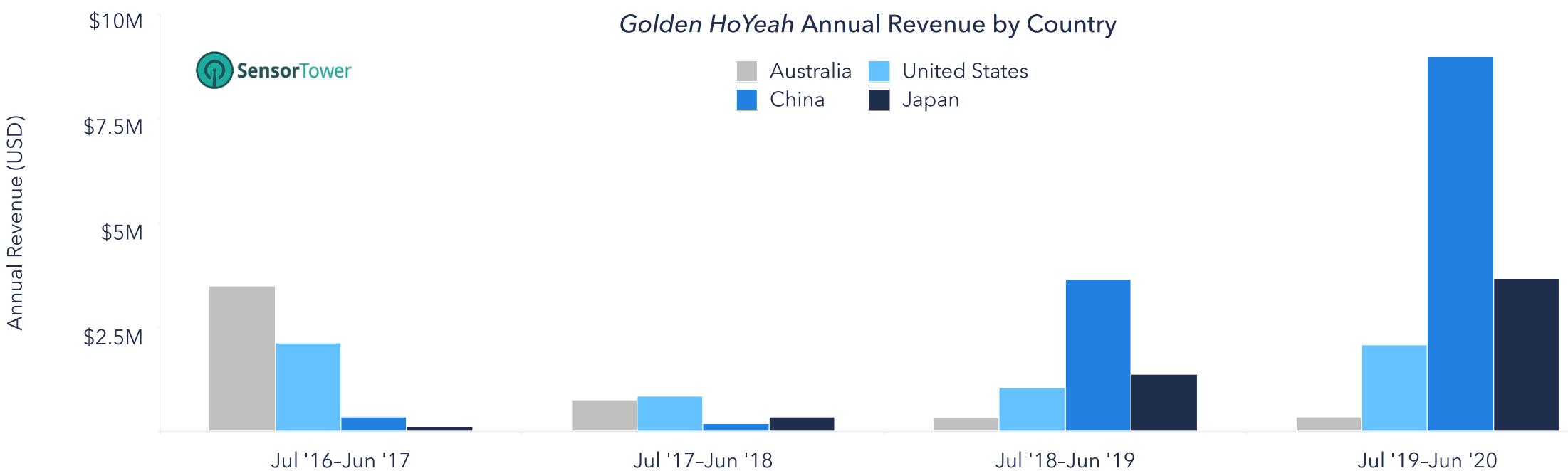
New apps and notable releases from established competitors



## **BREAKOUT APP**

## Golden HoYeah's revenue collapsed in 2017 before beginning to climb again in 2018.

This growth was driven largely by China and Japan, which replaced Australia and the U.S. as the app's largest sources of revenue. Combined annual revenue from China and Japan increased by more than +2,500% between Jul '16-Jun '17 and Jul '19-Jun '20.



## **Golden HoYeah** by International Games System

#### **App Details**

- Machines and rooms feature East Asian themes.
- Gameplay includes traditional slot machines and action arcade machines with betting mechanics.

#### Launch Information

- Originally released as FaFaFa Real Slots, renamed Golden HoYeah around October 2017
- 60<sup>th</sup> highest-grossing casino app as of 7/1/20
- View all Golden HoYeah galleries in the Feature Database



# **BREAKOUT APP II**

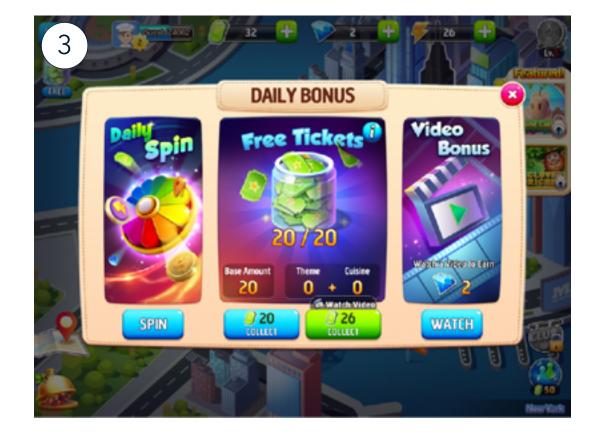
### **Bingo Cooking** by Gluon Interactive

#### App Details

- Unlockable map locations award ingredients for recipes (<u>1</u>).
  - Completed recipes award two currencies: tickets and diamonds (2).
- Players can land multiple bingos on a single card.
- Daily bonuses include a wheel spin, a ticket collection with an optional rewarded ad, and a rewarded ad for diamonds (3).
  - Completed map locations increase daily bonus benefits.
- A home screen shows levels, recipes, bet-up jackpots, daily bonuses, and a leaderboard (<u>4</u> and <u>video</u>).
- A store offers bundles of boosts and currency for cash or diamonds.
  - VIP levels increase store rewards.

#### Launch Information

- Released worldwide on 3/15/20
- Average daily revenue (U.S., 90 days): \$2,668
- Average daily downloads (U.S., 90 days): 1,664
- View Bingo Cooking on the App Store





ur first destination is the rooklyn Bridge. What Igredients can we find there?









# NOTABLE RELEASES I

Арр	Release	
DoubleU Casino	Plumber's Way collection event	<ul> <li>Base game wins fill a meter for pipe</li> <li>Players connect pipes in a series of</li> </ul>
Gold Fish Casino	<u>Tiki's Island Hop</u> bonus feature	<ul> <li>Lion head symbols fill a meter for a</li> <li>Coins advance players on a map of</li> <li>Crabs decrease winnings.</li> <li>Players can leave with their current</li> <li>Checkpoints save players' progree</li> <li>Lava bombs end the bonus and a</li> <li>Filling the meter a second time dout</li> </ul>
Governor of Poker 3	Party Cash Game competition event	<ul> <li>Invite-only poker games let friends</li> <li>Games do not award team points, X</li> </ul>
	<u>Mega Lottery</u> mini-game event	<ul> <li>Players earn tickets from spins or pu</li> <li>Tickets are used to buy pulls from a</li> </ul>
Heart of Vegas	<u>Winning Streak</u> mission event	<ul> <li>Players complete win-streak challer</li> <li>Store purchases automatically complete</li> </ul>

#### Description

es.

levels for rewards ( $\frac{1}{2}$  and  $\frac{video}{2}$ ).

a daily pick'em bonus. (<u>video</u>).

ent reward or continue playing ( $\frac{2}{2}$ ).

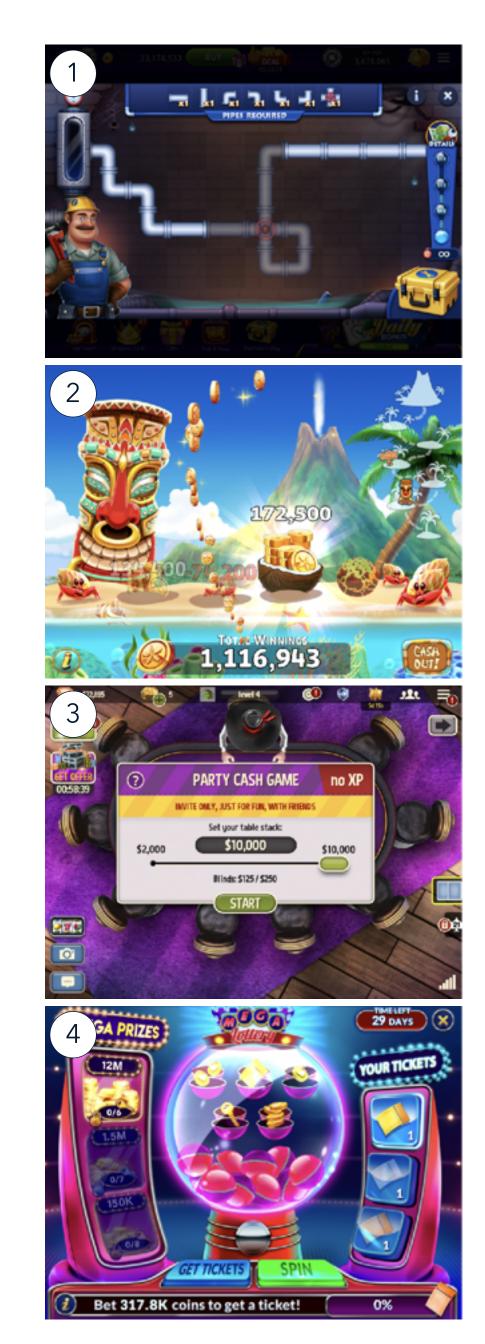
ess.

award the prize from the most recent checkpoint. ubles the next day's bonus.

s play together. XP, or progress (<u>3</u>).

ourchases. a gacha vending machine (<u>4</u> and <u>video</u>).

nges on different machines for rewards. Inplete the current challenge.





# NOTABLE RELEASES II

Арр	Release	
POP! Slots	<u>Jackpot Rush!</u> mini-game event	<ul> <li>Players tap balloons during spins to</li> <li>Filling the meter awards turns on a generation of the spaces to the board</li> <li>Spaces award cash, extra turns, board</li> </ul>
Scatter Slots	<u>Scatter</u> <u>Champions Royal</u> <u>Chronicles</u> collection feature	<ul> <li>Players collect cards from spins and</li> <li>Completing all albums awards a grate</li> </ul>
Slotomania	<u>SlotoCity Album</u> collection feature	<ul> <li>Players collect cards from spins, level daily pick'em bonus.</li> <li>Wild cards let players choose any</li> <li>Shiny cards can be exchanged for</li> <li>Ace cards award spins on a mini-s</li> <li>Completed albums award coins.</li> <li>A daily pick'em bonus awards cards</li> <li>Players can spend gems for addit</li> </ul>
WSOP	<u>Bounty Series</u> competition event	<ul> <li>Players earn an event-exclusive brac missions (<u>4</u>).</li> </ul>

Quickly review all features and machines

Filter the Library Tool by month and year to see all new releases.

#### Description

- o fill a meter.
- gameboard.
- d or award dice rolls (<u>1</u> and <u>video</u>).
- ard boosts, and jackpot upgrades (video).

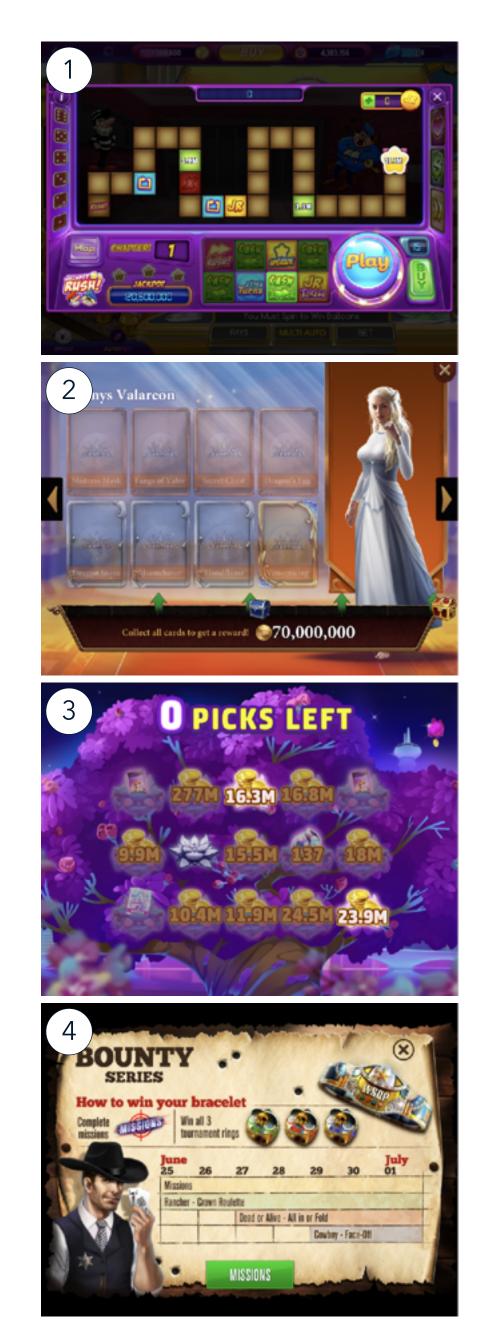
d purchases to complete hero-themed albums (<u>2</u>). rand prize.

vels, purchases, challenges, gifts, chests, promos, and a

y card. or double coins on a prize wheel. -stepper with guaranteed wins.

ds, shiny cards, gems, and coins (<u>3</u>). itional picks.

acelet by winning three tournaments or completing daily





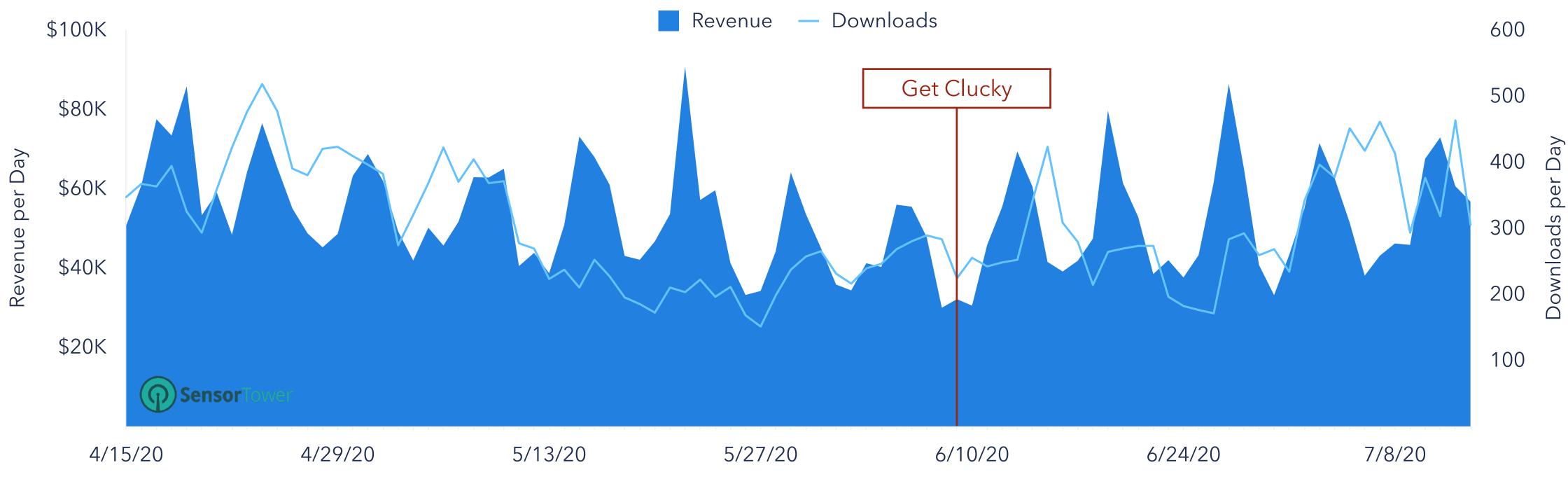




## **BINGO BASH RELEASE SCHEDULE**

6/4-6/11: Holiday Memories collection event 6/9: <u>Get Clucky</u> expansion feature 6/9: <u>Hoppy's Daily Specials</u> purchase event 6/9:

- \$9.99 Double Bet Pack 4 of Bingo Chips IAP +1 to
- \$1.99 Pack 2 IAP +1 to #5



Graph data is iOS U.S. only.

Releases				
to #4	<ul> <li>\$0.99 Starter Pack of Bingo Royale IAP +1 to #6</li> <li>\$19.99 High Roller Pack 4 of Bingo Chips IAP +1 to #7</li> <li>\$4.99 Money Ball Combo Pack IAP +1 to #8</li> <li>\$0.99 Bonus Pack of 3 Spins IAP +1 to #9</li> <li>\$1.99 Flyer Pack 4 of Bingo Chips IAP to #10 (NPL)</li> <li>*NPL = Not previously listed</li> </ul>			

### Bingo Bash



# LIQUID & GRIT SLOTS PERSONAS

Participants from the U.K. and U.S. (N=1,299) were surveyed about their mobile gaming use. The data produced five personas with distinct patterns of slots preferences and playing habits.

	Demographics				
	Fame Frank	Money Mike	Daydreamer Denise	Gambler Gail	Sensation Serena
Size	21%	22%	27%	19%	11%
Women	50%	51%	66%	60%	55%
Age	32 mean / 30 median	34 mean / 32 median	35 mean / 34 median	35 mean / 33 median	35 mean / 32 median
Education	3.5	3.3	3.5	3.2	3.3
Ioney Spent	4.2	4.9	3.5	5.4	5.8
Play Time	5.0	4.5	5.0	4.9	6.5



\* The education, money spent, and play time numbers represent the relative value of each category compared to other player personas.



# **PREMIUM PARTNERSHIPS**

Liquid & Grit partners with these premier market research and analytics companies to infuse our reports with the most relevant and detailed gaming personas, data, and statistics available.

#### **Sensor Tower**

#### **Mobile App Store Intelligence**

Sensor Tower website

Sensor Tower is relied upon by financial analysts, VCs, and publishers who need to leverage data to identify the fastest-growing apps, emerging markets, and more.

Clients harness Sensor Tower's suite of app intelligence tools to:

- Evaluate app economies and app vitality.
- Drive organic growth with the leading App Store Optimization platform.
- Get the best global download and revenue estimates for the App Store and Google Play.
- Discover top creatives and better shape user acquisition strategy.

#### **Player Personas**

Kinrate Analytics website

Kinrate Analytics offers game developers, Quadrant Strategies is a market research consultancy that uses research to help the world's consultants, publishers, and cloud gaming operators the best cross-platform game most prominent technology, gaming, and recommendation engine for targeted marketing, as entertainment companies develop strategies for well as a novel profiling-as-a-service solution for building their user base, increasing user engagement and spend, and strengthening their intelligent market segmentation and social marketing and brand plans. networking.

Other services include advanced market prediction analyses for identifying emergent gaming trends and access to unique AI-enhanced data of 140 thousand game titles and 48 million game players.

The products of Kinrate Analytics have been developed in university-led research projects in collaboration with economists, psychologists, game scholars, and data scientists.



#### **Kinrate Analytics**

#### **Quadrant Strategies**

#### **Market Research**

**Quadrant Strategies website** 

We do that using a range of quantitative and qualitative methodologies, including gamer segmentation and persona development, feature testing, message creation, and loyalty and engagement modeling. The work of our senior leadership goes back many years, and includes long-term engagements for console and gaming-PC hardware-makers, individual games in a range of genres, and across consoles, PCs, and mobile, and for some of the top game franchises.







# **CASINO MECHANICS TAXONOMY**

Family	Definition	Family	Definition
<u>Accelerators</u>	Increases the power, impact, or efficiency of play	<u>Interactions</u>	Any social feature with direct or indirect interaction
<u>Banks</u>	Saves a % of spend that can be unlocked later	<u>Leaderboards</u>	Stand-alone leaderboards
<u>Bonuses</u>	Free bonuses given to players, often with time intervals	<u>Levels</u>	Anything to do with leveling
<u>Challenges</u>	Goal-oriented tasks for players to complete	<u>Mini-Games</u>	Smaller, shorter games within the app (e.g., scratch cards)
<u>Clubs</u>	A group of players accomplishing goals or competing with other groups	<u>Missions</u>	A linear set of tasks that players must accomplish
<u>Collections</u>	A set of items players collect, often for a completion prize	<u>Notices</u>	Feature or product announcements
<u>Competitions</u>	Players competing against other players	<u>Other</u>	Miscellaneous features and outliers
<u>Cosmetics</u>	Improvements or updates to the game or a feature	<u>Profiles</u>	A player's setup, profile, settings, and controls
<u>Currencies</u>	Changes to currencies, economies, stores, and items	<u>Purchases</u>	Anything to do with spending money on in-app items
<u>Expansions</u>	Additional rooms, worlds, play modes, VIP lounges, etc.	<u>Quests</u>	Completing tasks to progress along a map or map-like mechanic
<u>Flows</u>	Specific flows, like new user flows, ratings, and surveys	<u>Rewards</u>	Any reward players receive for engagement or spend (other than those in the bonuses family)



"Genius hesitates." – Carlo Rovelli

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