

THE AI DISRUPTION INDEX

Report by





The biggest shifts in AI today aren't technological,
they're behavioral.

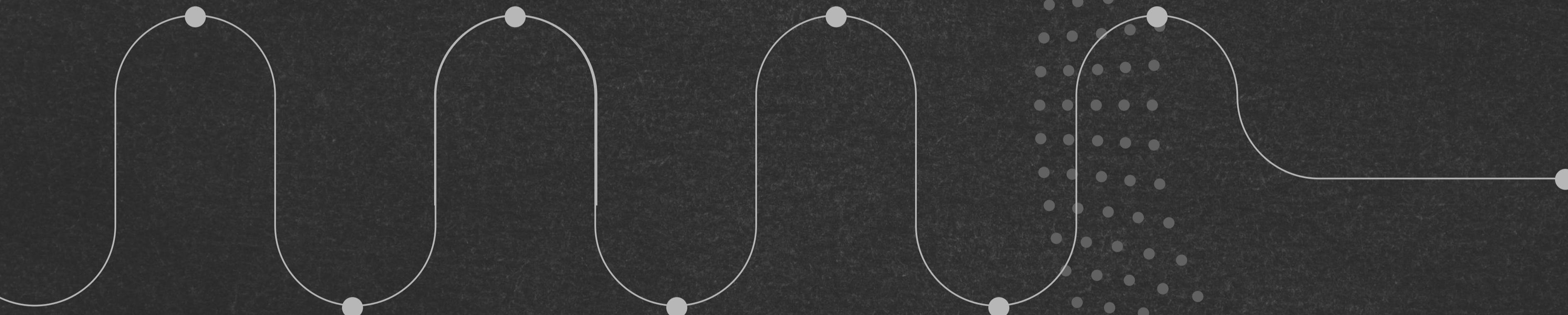
Consumer behavior is shifting faster than marketing budgets have been able to follow, and this will only continue to accelerate.

New research on AI/LLM disruption¹, done in partnership with BCG, dives deep into these behavioral shifts, the **current state of play for marketers**, and where we go from here.

¹ Here AI/LLM refers to generative AI chatbots, assistants, and agents, which we'll refer to as "AI" throughout the report for simplicity's sake.



In partnership with BCG, we surveyed 283 marketing leaders across 15 verticals and 5 regions, interviewed 15 executives from leading companies, and analyzed first-party Moloco data from 3,000+ apps representing 200 billion downloads.



We uncovered new insights on AI disruption, vertical strengths and opportunities, and the new customer journey, starting with inspiration.

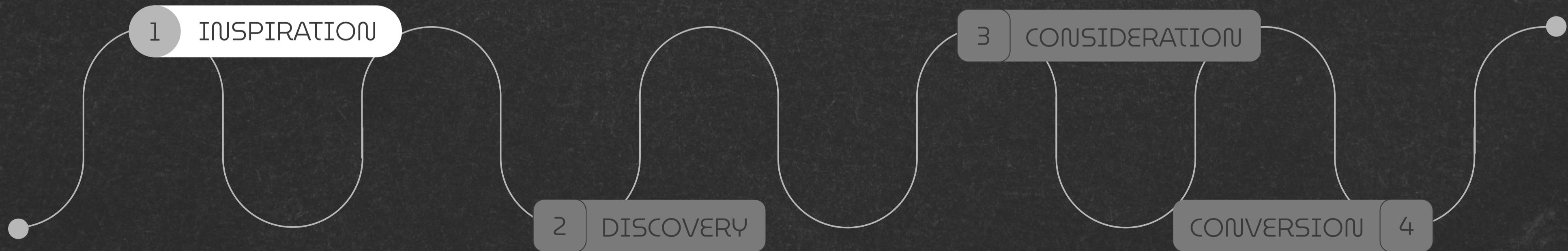


Inspiration now starts **with AI**

1/3

of US adults now
discover brands via
personal AI agents

Source: Cordial, "Brands Battle for Attention as AI Redefines the Funnel"
conducted by Dynata, Aug 2025. 1,000 US Adults surveyed by Dynata



Discovery has been **upended**

80%

of Google searches now
end without a click when
AI Overview is present

Source: Similarweb, "Zero-Click Searches And How They Impact Traffic", May 2025





For shoppers, AI has gone from experimental to **essential**

47%

of consumers use
AI to research
purchases

Source: Attest, "2025 Consumer Adoption of AI Report", July 2025. 5,000
Adults in US, UK, Canada and Australia using Attest platform





AI is extending from advice to **action**

30%

feel comfortable
letting AI make
purchases for them

Source: Contentsquare/Morningstar, December
2025, n=1,300 US adults surveyed by Pollfish.





Understanding disruption on the **vertical level**

The traditional marketer's toolkit wasn't built for AI-driven consumer journeys. It's a world of less predictability, and more possibility. To explore the risks and opportunities for each vertical, we quantified how exposed brands are to AI-driven disruption, and the strength of their customer relationships.

The AI Disruption Index

AI Disruption scores verticals on their level of exposure to:

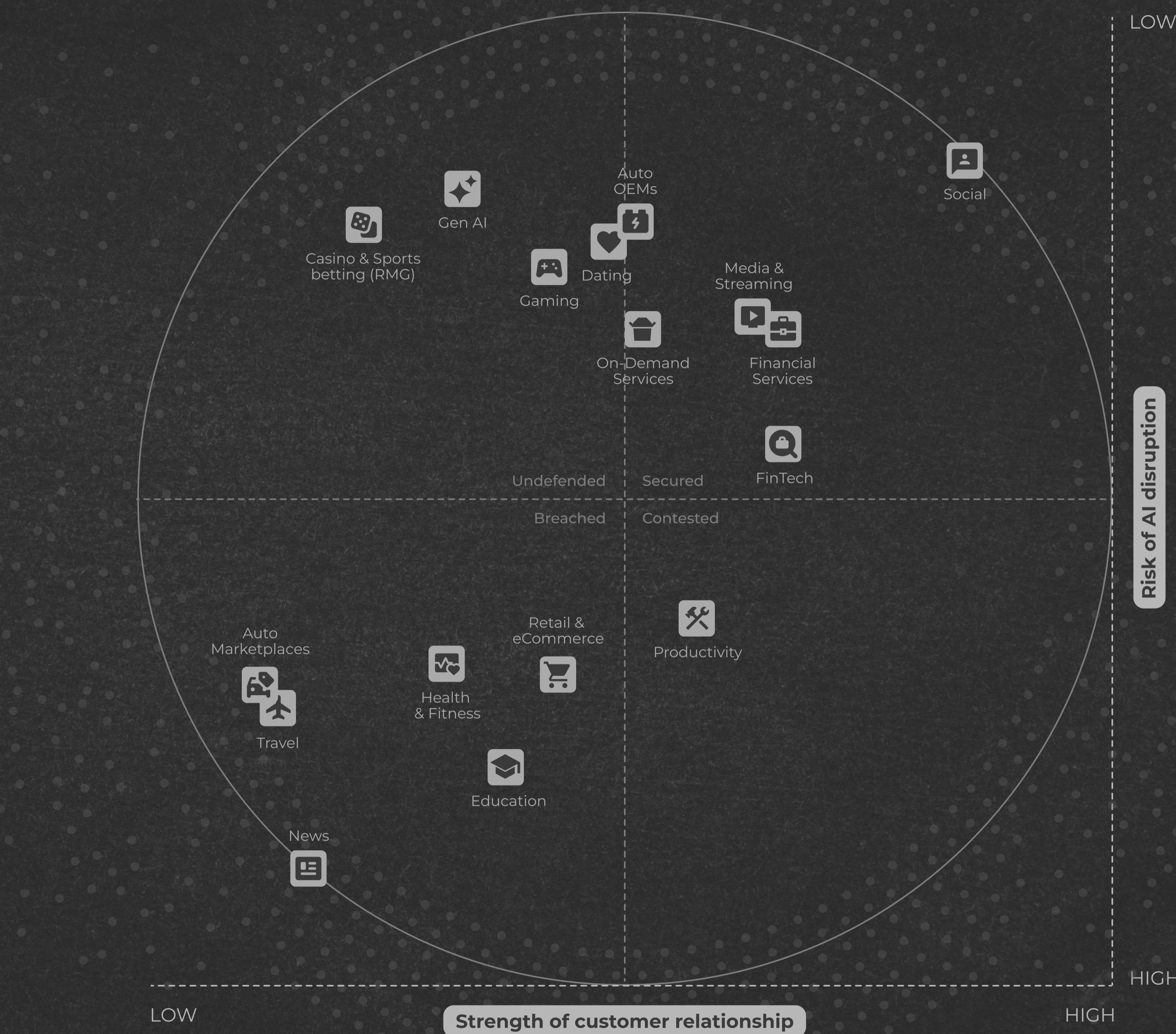
AI Disruption (y-axis) indexes verticals from high to low based on their level of exposure to:

- Service Disruption: The risk that AI can replace services that a brand offers
- Discovery Disruption: Consumers going to AI for discovery rather than using traditional channels

Customer Relationship Strength (x-axis) indexes strength from high to low based on a variety of factors including ability to drive long-term loyalty, reliance on paid user acquisition, and how much customers engage on platforms like apps (higher engagement) vs. the web (lower).



Source: Moloco and BCG (2025). Based on surveys and interviews with 250 senior marketing leaders (CMOs & VPs) across 15 verticals, plus performance data from 3,000+ apps representing 200B+ downloads.



Breached

AI disruption | High

AI has already disrupted discovery as inspiration, search, and decision-making have been compressed. There's high risk of service disintermediation as agentic AI can complete booking flows, summarize information, aggregate listings, and more.

Customer relationship strength | Low

Low customer relationship strength due to a combination of weak loyalty, higher reliance paid traffic, and more engagement on the web (vs. mobile app).

Breached companies need to fundamentally **rebuild the relationship layer**:

- 1 Build stronger customer relationships by investing in owned services like mobile apps, creating loyalty programs, personalized experiences, and community ecosystems
- 2 Make the most of first-party data and integrate AI-like offerings to create personalized deals, contextually relevant product comparisons, and AI-driven customer assistance
- 3 Find new pockets of growth and re-engage existing users by diversifying media spend away from disrupted discovery channels like paid search and programmatic display (web) to more resilient channels like mobile apps



Source: Moloco and BCG (2025).

LOW

Strength of customer relationship

LOW

Risk of AI disruption

HIGH

Undefended

Breached

High AI disruption and weak customer relationships leave these verticals highly vulnerable to being disintermediated by AI.

Secured

Contested

HIGH

Undefended

AI disruption | Moderate to Low

Discovery disruption is moderate to low due to reliance on paid channels that are most disrupted, including search, programmatic web, and affiliate channels. There's a low risk of service disruption as core functionalities can't easily be replicated.

Customer relationship strength | Low

Low customer relationship strength is due to a combination of weak loyalty, higher reliance on paid traffic, and more engagement on the web (vs. mobile app).

Undefended companies need to **build future-proof foundations**:

- 1 Build stronger customer relationships by investing in owned services like mobile apps, creating loyalty programs, personalized experiences, and community ecosystems
- 2 Make the most of first-party data and integrate AI-like offerings to create personalized deals, contextually relevant product comparisons, and AI-driven customer assistance



Source: Moloco and BCG (2025). Based on surveys and interviews with 250 senior marketing leaders (CMOs & VPs) across 15 verticals, plus performance data from 3,000+ apps representing 200B+ downloads.

Low AI disruption today, but weak customer ties mean these verticals need to pivot strategies for the long term.

Undefended

Secured
Contested
Breached

LOW

Strength of customer relationship

HIGH

LOW

Risk of AI disruption

HIGH

Contested

AI disruption | High

AI has already disrupted discovery as inspiration, search, and decision-making have been compressed. There's high risk of service disintermediation as core features are sticky today, but AI agents are rapidly learning to replicate workflows.

Customer relationship strength | High

Deep reliance within daily workflows and a history of organic acquisition signifies strong customer loyalty.

Contested companies need to **defend and differentiate**:

- 1 Elevate existing switching costs by integrating AI capabilities that will be indispensable to customers.
- 2 Shape industry standards by leveraging scale and trust to define how AI integrates into this vertical (i.e., data partnerships, proprietary agents)
- 3 Find new pockets of growth and re-engage existing users by diversifying media spend away from disrupted discovery channels like paid search and programmatic display (web) to more resilient channels like mobile apps



Source: Moloco and BCG (2025). Based on surveys and interviews with 250 senior marketing leaders (CMOs & VPs) across 15 verticals, plus performance data from 3,000+ apps representing 200B+ downloads.

LOW

Strength of customer relationship

LOW

Risk of AI disruption

HIGH

Undefended
Breached

Secured

Contested

High AI disruption is already reshaping discovery here, but strong loyalty and user intent keep these verticals durable.

Secured

AI disruption | Moderate to Low

Discovery disruption is moderate due to a mix of reliance on disrupted and more resilient channels. There's a low risk of service disruption as core functionalities can't easily be replicated.

Customer relationship strength | High

Habitual engagements, organic pull, and trust all drive high customer loyalty.

Secured companies can **accelerate their advantage**:

- 1 Reimagine customer connection with AI-powered experiences, shifting from generic engagement to personalized, proactive relationships
- 2 Find new pockets of growth and re-engage existing users by diversifying media spend away from disrupted discovery channels like paid search and programmatic display (web) to more resilient channels like mobile apps



Source: Moloco and BCG (2025). Based on surveys and interviews with 250 senior marketing leaders (CMOs & VPs) across 15 verticals, plus performance data from 3,000+ apps representing 200B+ downloads.

LOW

Strength of customer relationship

LOW

Risk of AI disruption

HIGH

Undefended

Breached

Contested

Secured

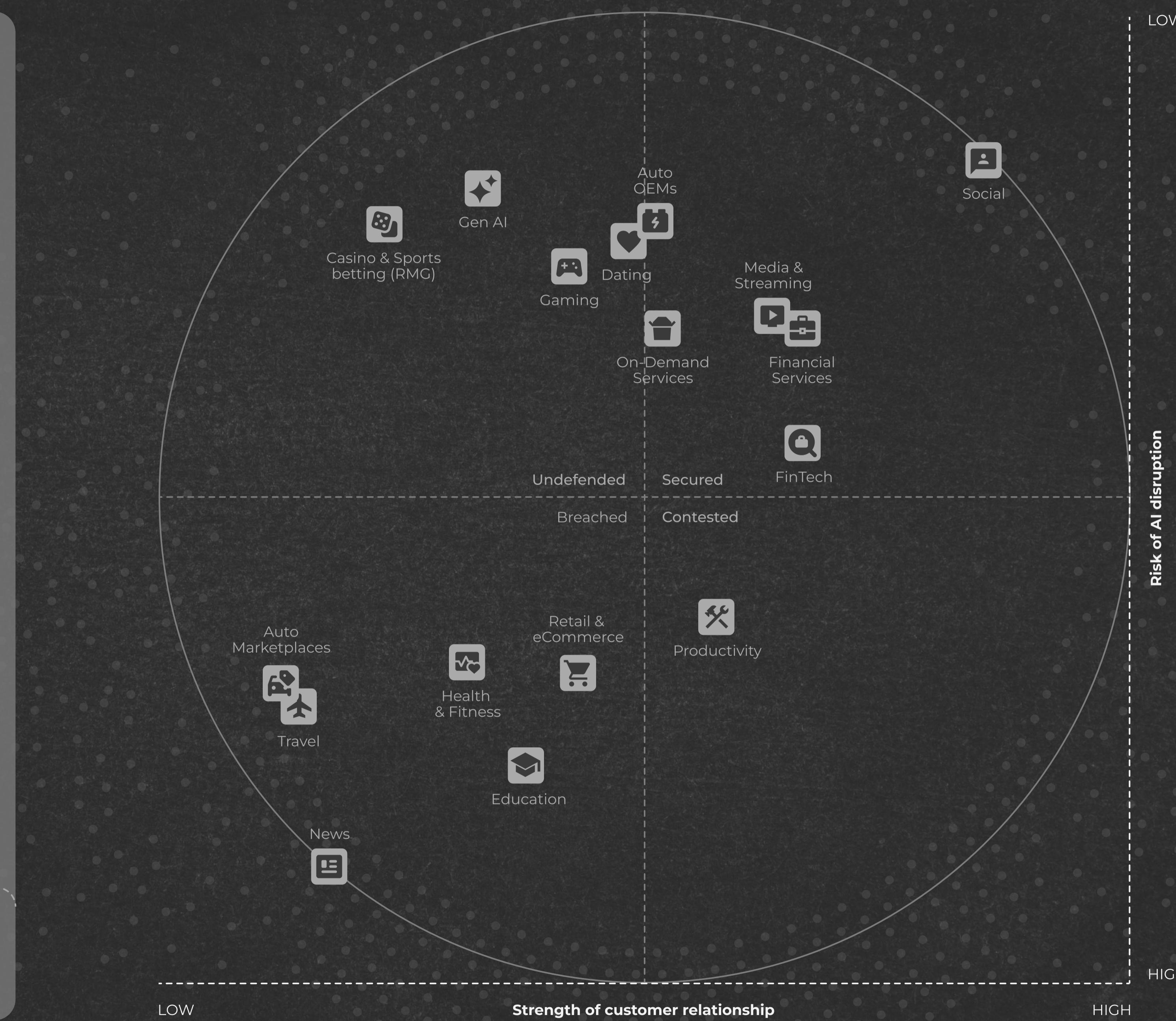
Low AI disruption and strong customer relationships combine to create resilience.

The AI Disruption Index

Here is the full index with all the verticals placed in their quadrants. We'll explore them one by one in the following pages.



Source: Moloco and BCG (2025). Based on surveys and interviews with 250 senior marketing leaders (CMOs & VPs) across 15 verticals, plus performance data from 3,000+ apps representing 200B+ downloads.



Travel

Example companies in category

 Tripadvisor  Booking.com  airbnb  hopper  Expedia

Travel faces one of the highest disruption risks across all verticals, with AI collapsing the entire journey from inspiration to booking into single conversational flows.

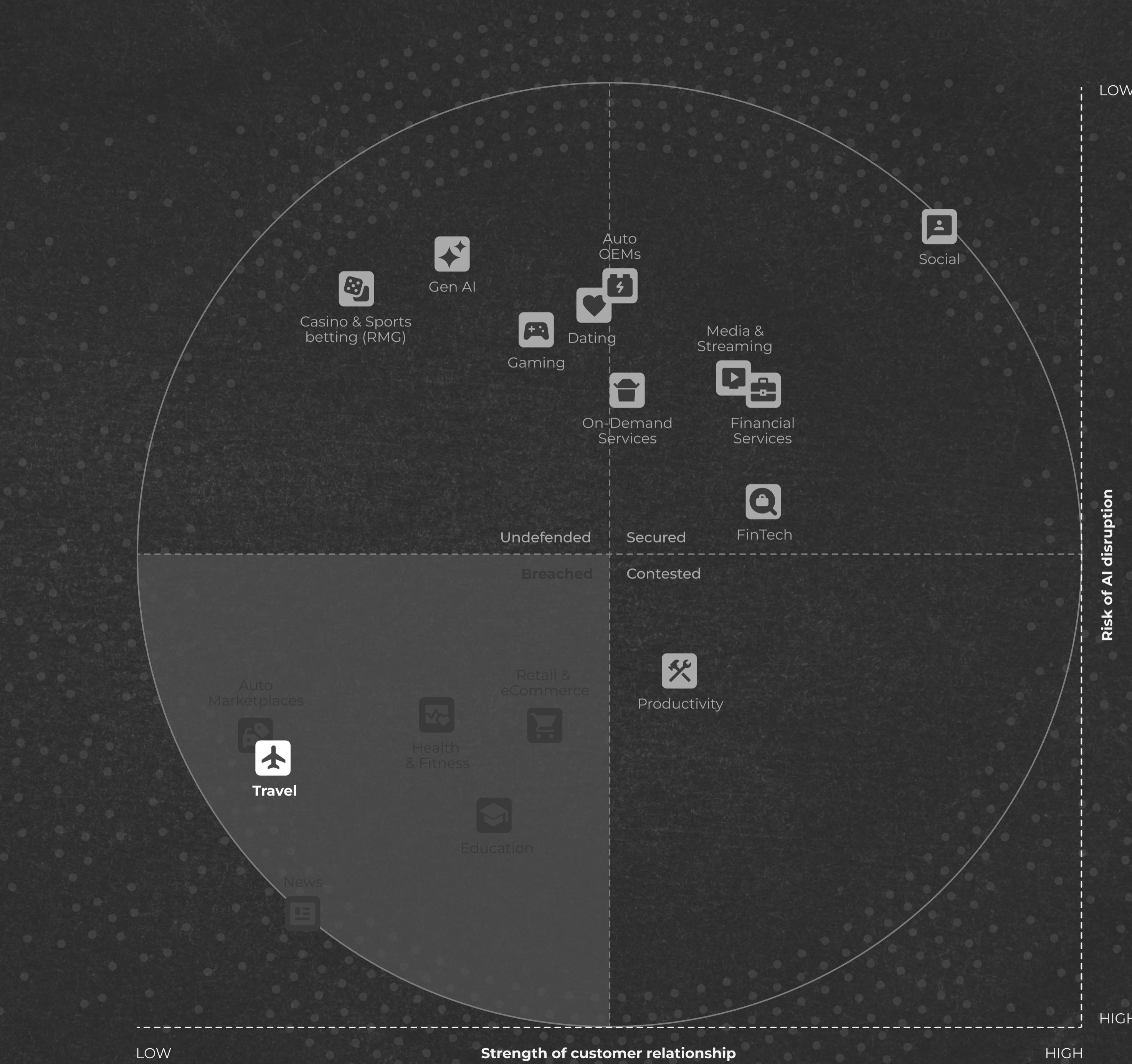
With minimal customer loyalty and heavy reliance on search channels that AI has disrupted, OTAs risk becoming invisible data suppliers. The industry's web-heavy model leaves brands without defensible owned channels as complex travel queries become single AI prompts.

"The rigid booking flow we're used to... origin, destination, dates, and filters doesn't have to exist in an AI world."

—Head of Marketing, Global Travel App



Source: Moloco and BCG (2025). Based on surveys and interviews with 250 senior marketing leaders (CMOs & VPs) across 15 verticals, plus performance data from 3,000+ apps representing 200B+ downloads.



Auto Marketplaces

Example companies in category

 CARVANA  edmunds  CarGurus®

Auto marketplaces face high disruption as AI aggregates listings and connects buyers directly to sellers.

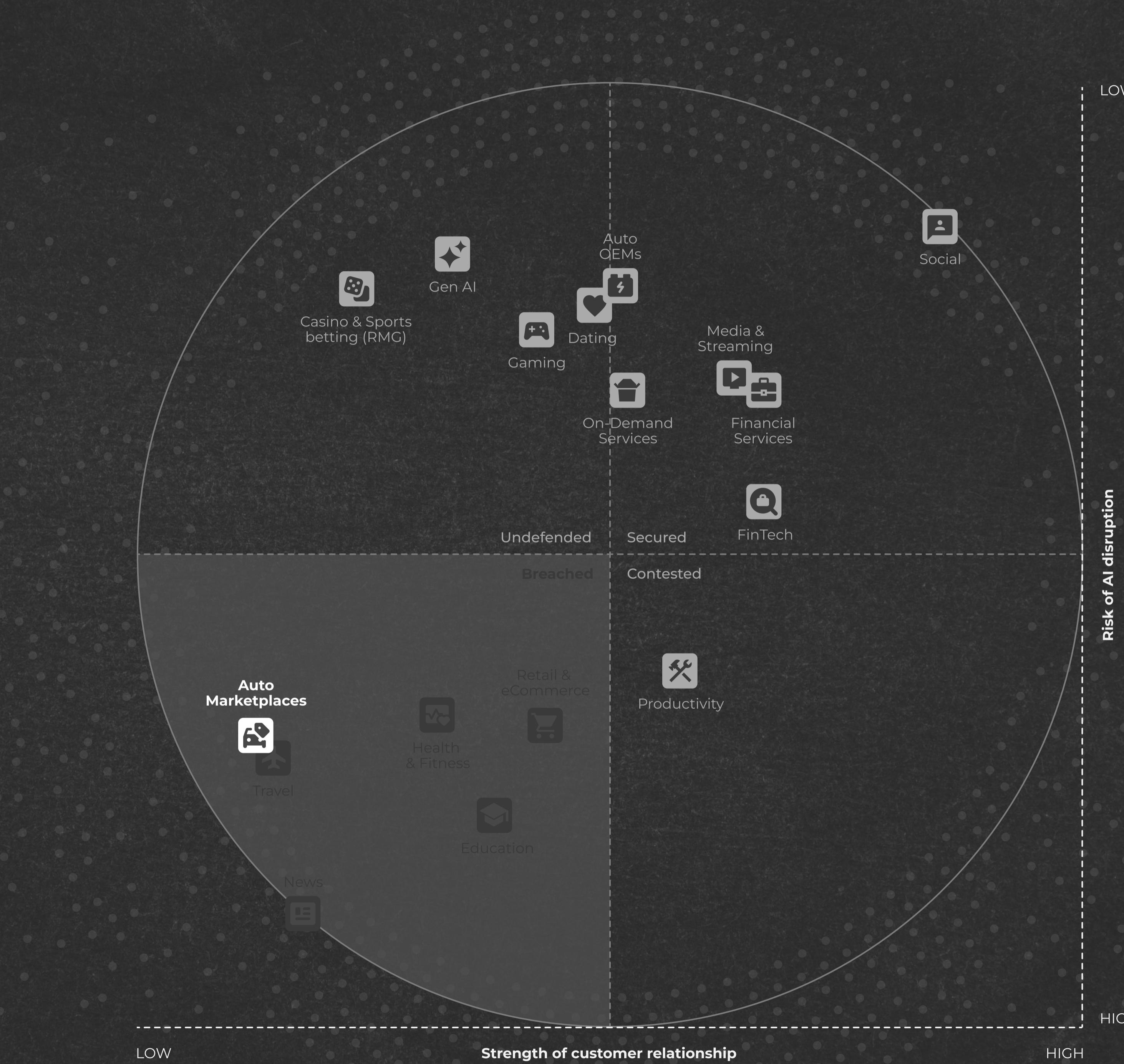
With the lowest relationship strength and heavy web dependence, pure lead-gen models risk disintermediation. Only those with proprietary inventory, dealer integrations, and real-time data feeds maintain defensibility as AI reshapes car shopping from browsing to conversational queries.

“Discovery for cars is very visual: Users want to see the listings, apply filters, and compare. AI guidance can help, but it doesn’t replace browsing.”

—CMO, Auto Marketplace



Source: Moloco and BCG (2025). Based on surveys and interviews with 250 senior marketing leaders (CMOs & VPs) across 15 verticals, plus performance data from 3,000+ apps representing 200B+ downloads.



News

Example companies in category

CNN BBC NEWSBREAK The New York Times

News faces the highest disruption risk with AI summarizing stories in zero-click answers. Organic traffic has already fallen 26% as AI aggregates and summarizes content (Similarweb 2025).

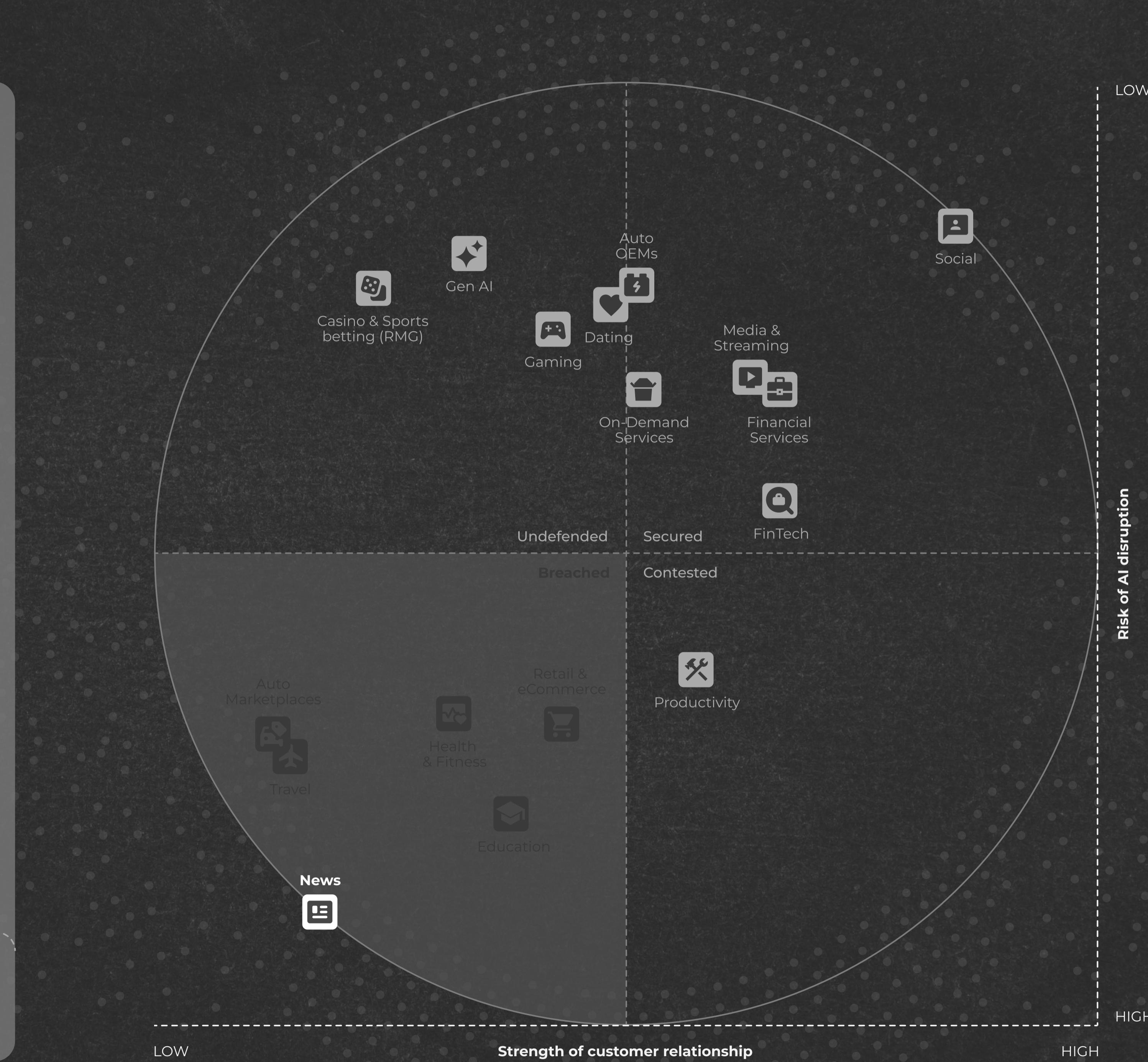
With weak loyalty and overwhelming web dependence, publishers must pivot to investigative depth and direct reader relationships through apps and newsletters or risk becoming invisible content suppliers to AI systems.

"When someone clicks from an ad and comes to our site, they're still highly likely to subscribe. But if they've already gotten the content from the LLM, they might not need more—they're less likely to convert."

—SVP Brand Marketing, Leading News Publisher



Source: Moloco and BCG (2025). Based on surveys and interviews with 250 senior marketing leaders (CMOs & VPs) across 15 verticals, plus performance data from 3,000+ apps representing 200B+ downloads.



Education

Example companies in category

BRAINLY **duolingo** **Kahoot!** **COURSERA** **udemy**

Education faces the second-highest disruption risk as AI can deliver personalized lessons at near-zero cost.

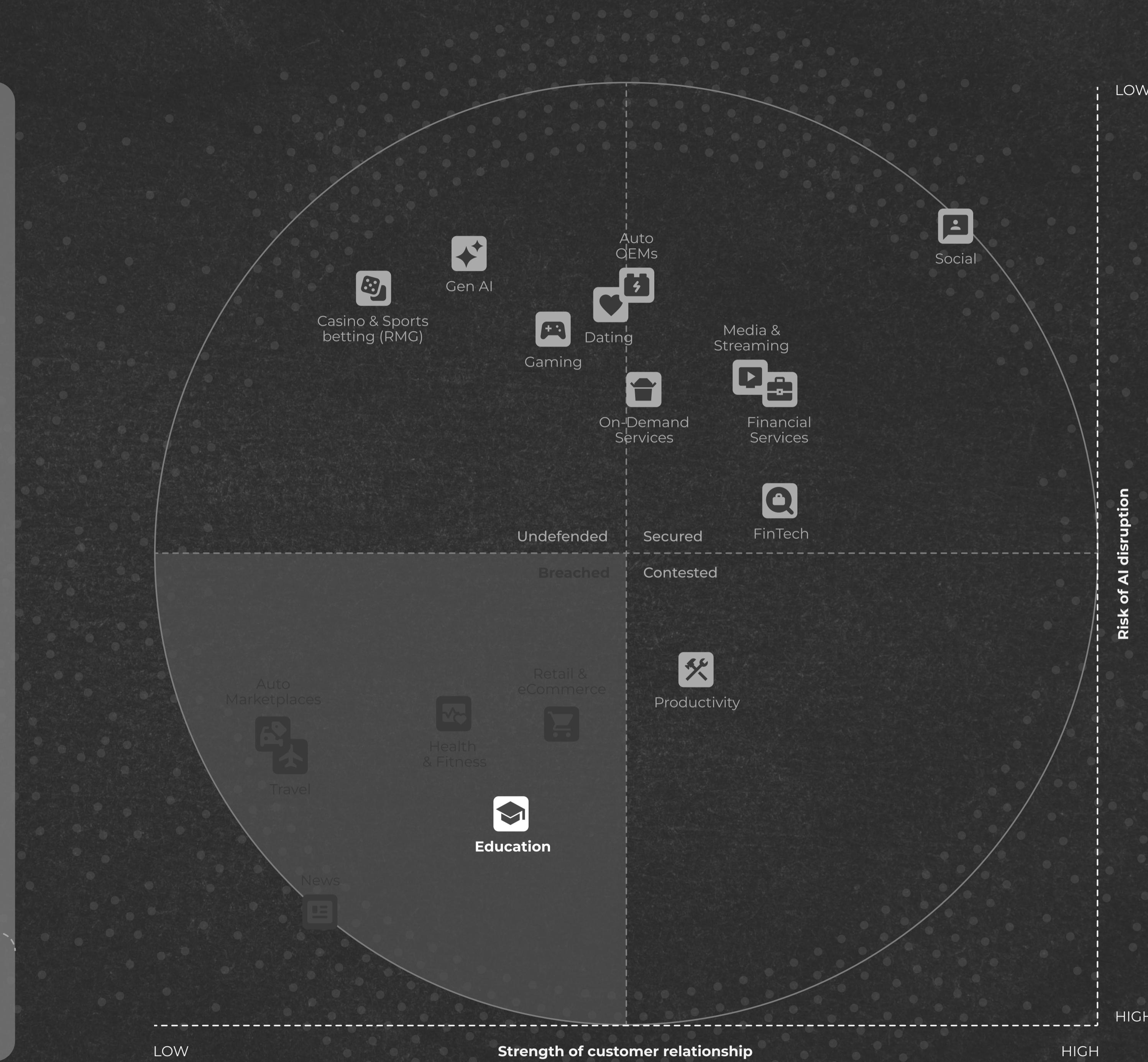
With moderate retention and heavy SEO reliance, pure content platforms are vulnerable while those with certifications maintain some defense. The shift from "searching to learn" to "AI teaches directly" threatens traditional online education models unless platforms emphasize credentials and human validation.

"Search has historically been our strongest channel, but we're seeing growing pressure as AI summaries start showing up even above paid results."

—Global Head of Marketing Strategy,
Education App



Source: Moloco and BCG (2025). Based on surveys and interviews with 250 senior marketing leaders (CMOs & VPs) across 15 verticals, plus performance data from 3,000+ apps representing 200B+ downloads.



Health & Fitness

Example companies in category

myfitnesspal **STRAVA** Calm **PELOTON**

Health and Fitness faces high disruption as AI can generate workout plans and wellness advice.

With moderate loyalty and a good amount of traffic from disrupted channels, brands must differentiate through customization, validation, and by leveraging proprietary data. Those emphasizing human expertise, device integration, AI integrations, and clinical accuracy can defend against more generic AI content.

“App store discoverability is going to be at risk - people may just go straight to ChatGPT and never search the stores.”

—CMO, Health and Fitness



Source: Moloco and BCG (2025). Based on surveys and interviews with 250 senior marketing leaders (CMOs & VPs) across 15 verticals, plus performance data from 3,000+ apps representing 200B+ downloads.

LOW

Strength of customer relationship

LOW

Risk of AI disruption

HIGH



HIGH

Retail & eCommerce

Example companies in category

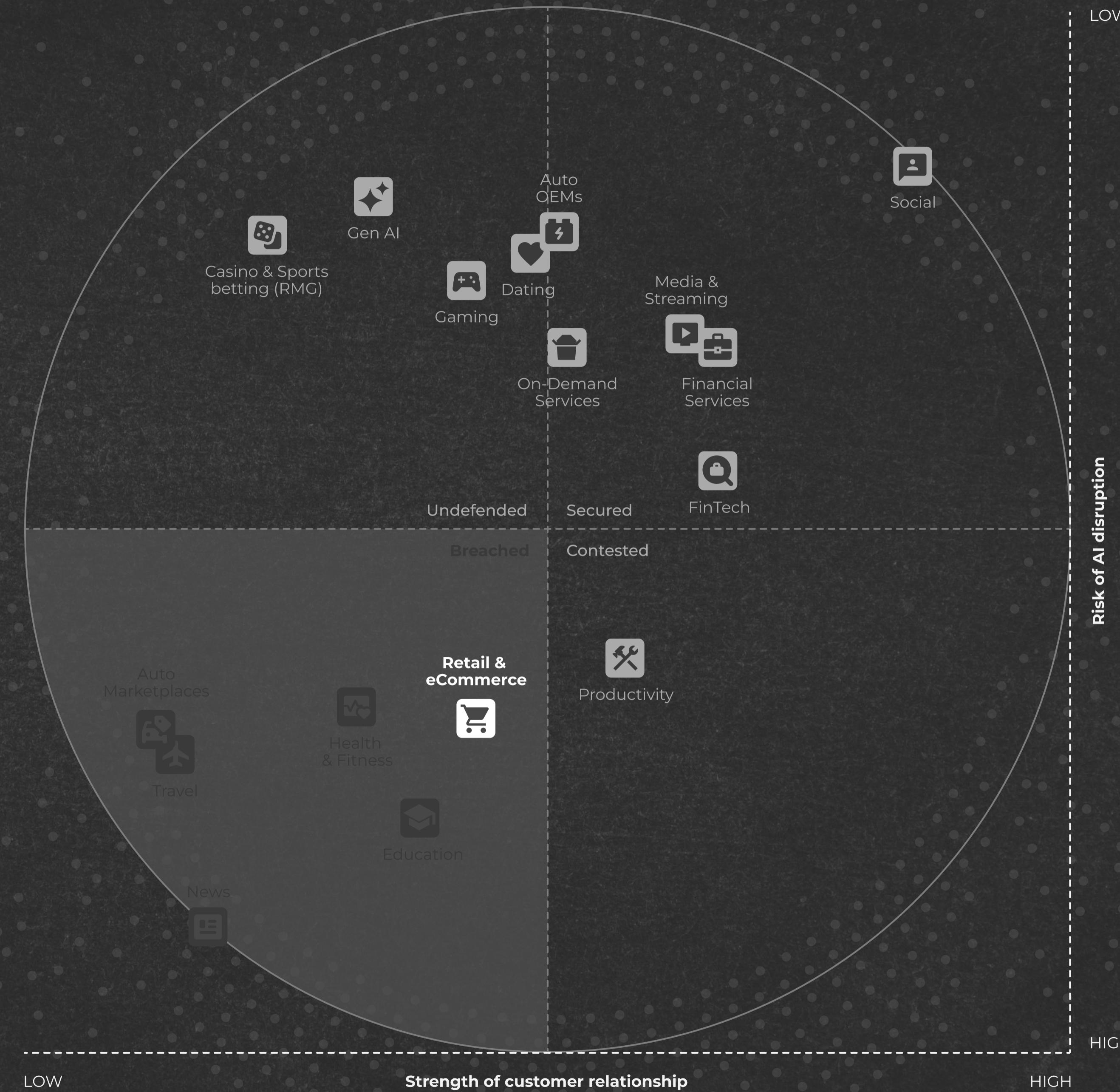
amazon TEMU SHEIN ebay Etsy Walmart

Retail faces high risk of disruption as agentic commerce can enable AI to handle shopping end-to-end.

Despite moderate loyalty, heavy exposure to search channels and AI's ability to aggregate product data could threaten direct relationships, signaling a potential future where retailers without unique inventory or fulfillment become commoditized suppliers in an AI-mediated marketplace.

“That page is not just for people like you, it is very specifically for you and your household... 100% personalized in almost every case, sooner rather than later.”

—Head of Media, Global eCommerce
Brand



Productivity

Example companies in category

 Gmail  G Suite  Office 365  ZOOM

Productivity tools face high disruption pressure as AI agents replicate workflows, but strong loyalty from deep integration buys time.

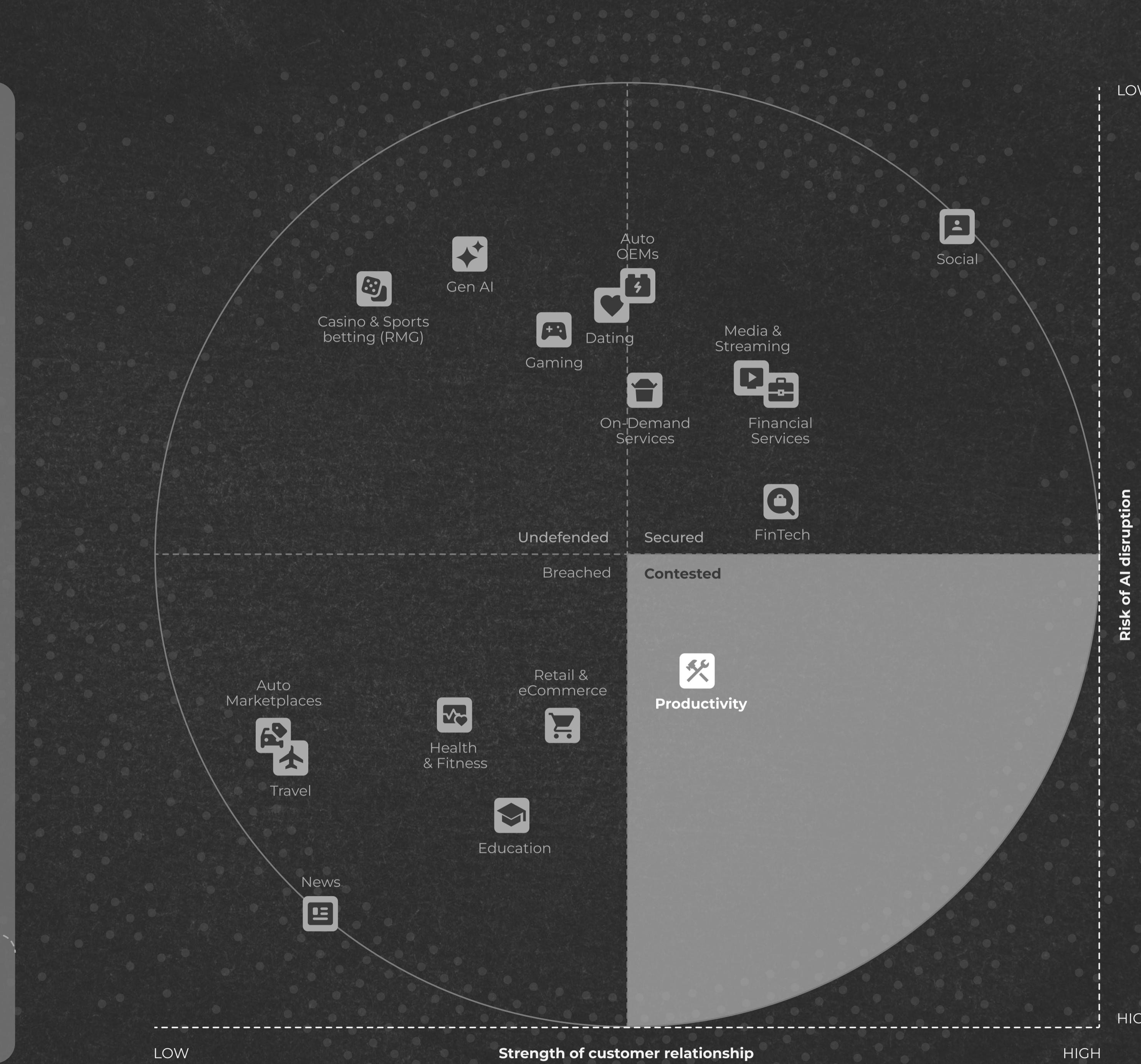
With 40% traffic from vulnerable channels and strong retention scores, platforms must embed AI capabilities directly to maintain relevance as standalone AI threatens to absorb basic productivity functions.

“The goal is to make the experience as sticky as possible so people stay in their accounts and keep engaging.”

—Head of Growth Marketing, Global productivity platform



Source: Moloco and BCG (2025). Based on surveys and interviews with 250 senior marketing leaders (CMOs & VPs) across 15 verticals, plus performance data from 3,000+ apps representing 200B+ downloads.



Auto OEMs

Example companies in category

Auto OEMs maintain strong position through brand equity and dealer networks. With 60% retention and minimal AI disruption risk, luxury brands especially remain resilient.

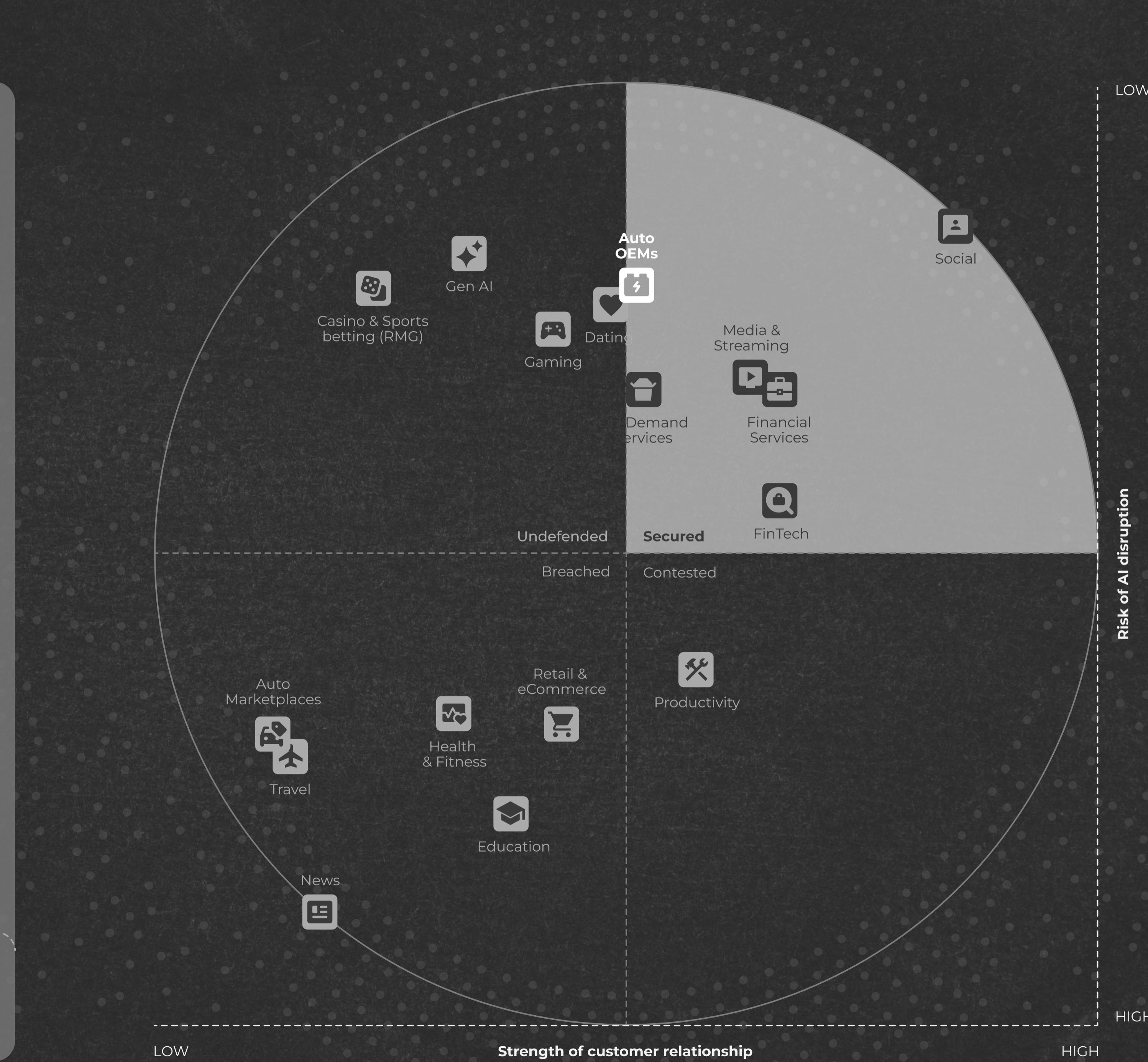
While AI can assist configuration, high-value purchases require in-person validation. The opportunity is enhancing digital tools while preserving the aspirational brand experience that AI can't commoditize.

“AI can replicate things like configurators or trade-in calculators, but those are already digital. The bigger question is whether people will trust it for a \$50,000 purchase.”

—CMO, Global Automotive Manufacturer



Source: Moloco and BCG (2025). Based on surveys and interviews with 250 senior marketing leaders (CMOs & VPs) across 15 verticals, plus performance data from 3,000+ apps representing 200B+ downloads.



Social

Example companies in category



Social demonstrates resilience with strong user relationships.

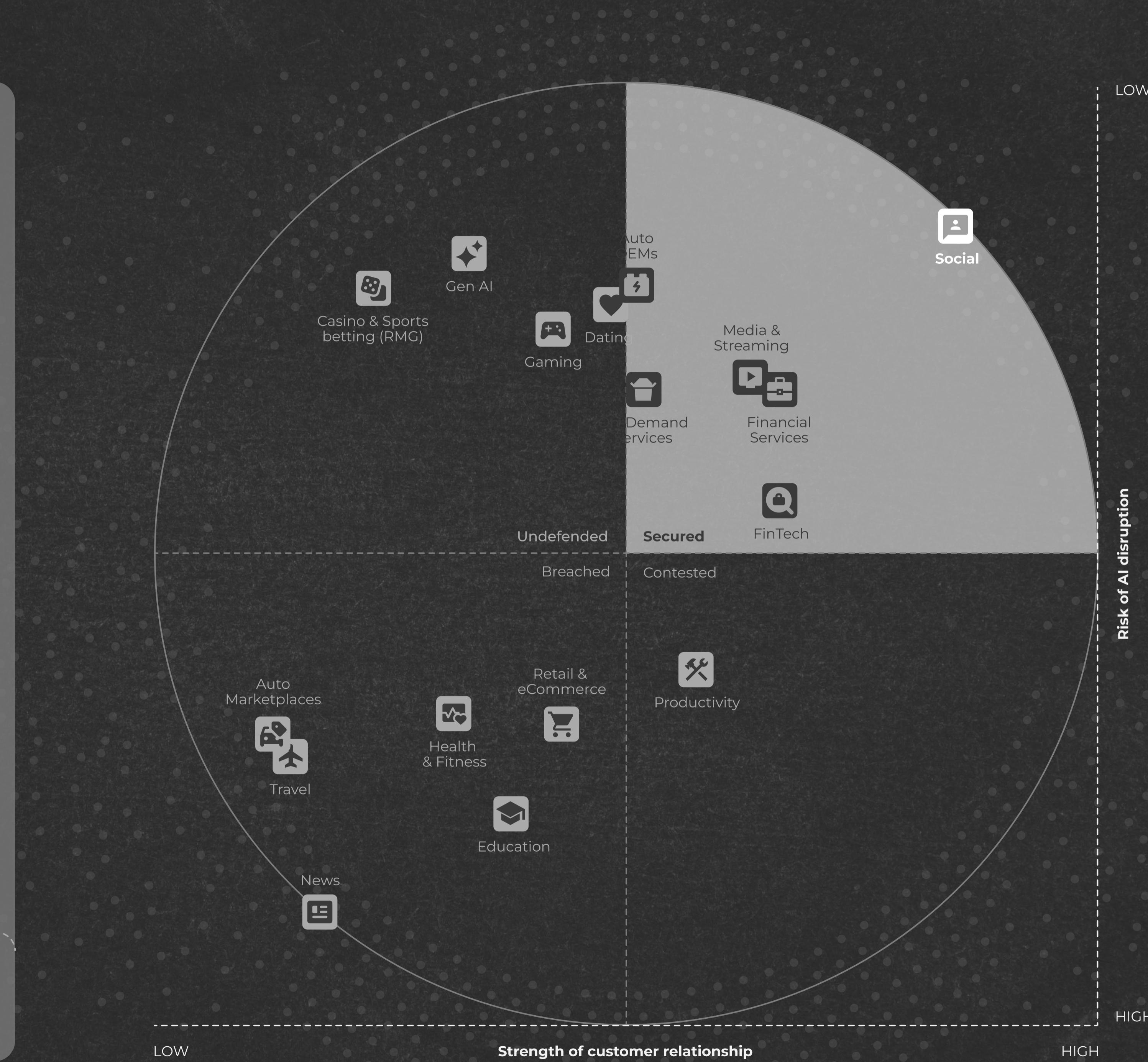
Network effects and real-world relationships create barriers AI can't easily breach. With habitual usage and reliance on mobile apps, social platforms can leverage AI for enhancement.

“Discovery is moving from big platforms to niche communities where CPMs are cheaper and engagement is higher.”

—Retention Lead, Global Social Media App



Source: Moloco and BCG (2025). Based on surveys and interviews with 250 senior marketing leaders (CMOs & VPs) across 15 verticals, plus performance data from 3,000+ apps representing 200B+ downloads.



Media & Streaming

Example companies in category



Media and Streaming platforms benefit from content rights and licensing barriers AI can't breach. With strong retention and subscription models, they face limited disruption.

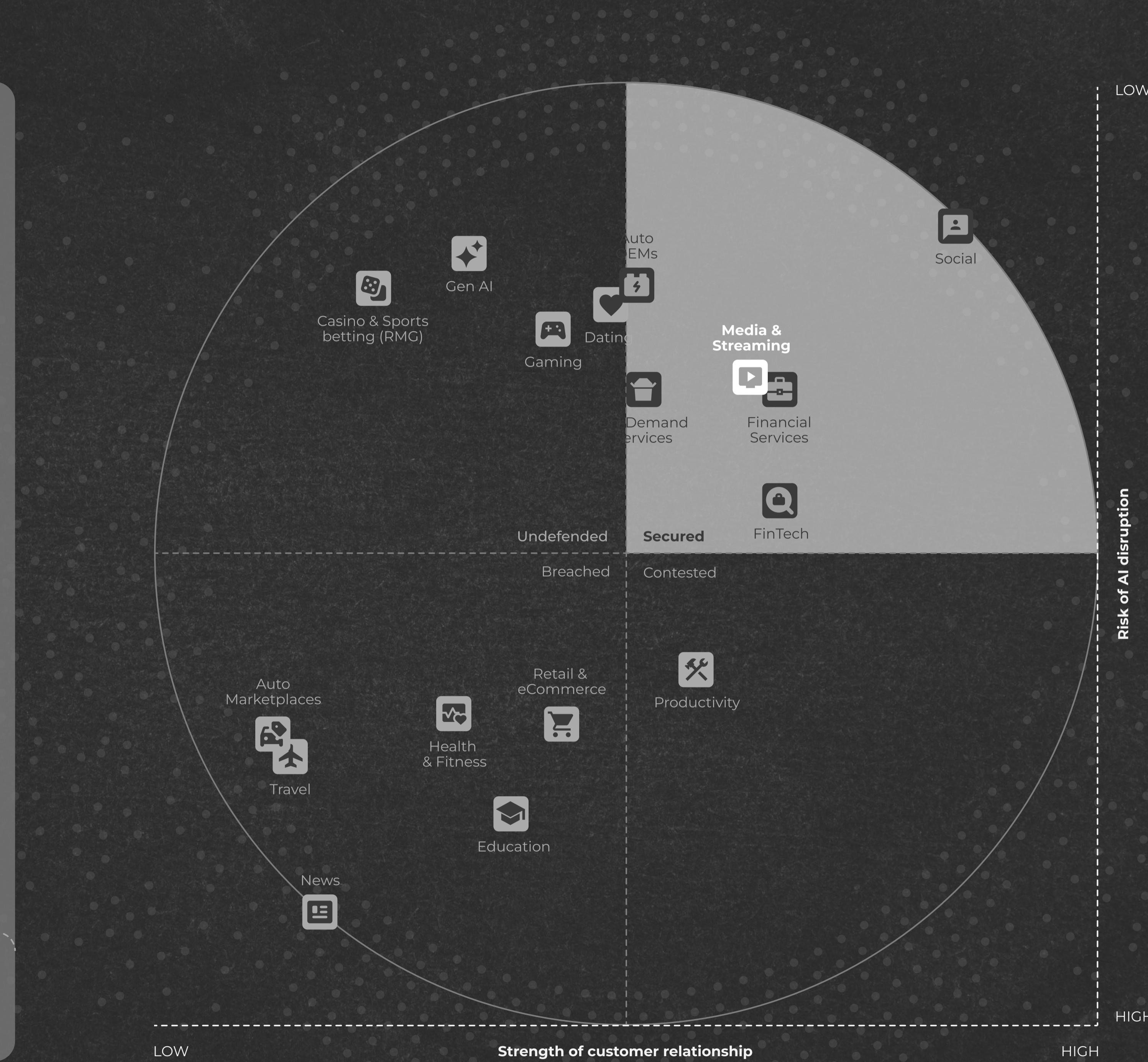
While AI can recommend content, it can't access proprietary content libraries. The opportunity is using AI to enhance personalization and discovery while maintaining exclusive content as the ultimate moat.

"The traditional entry points of SEO and app stores are exposed - AI can sit on top and redirect that traffic."

—Head of Marketing, Global Streaming App



Source: Moloco and BCG (2025). Based on surveys and interviews with 250 senior marketing leaders (CMOs & VPs) across 15 verticals, plus performance data from 3,000+ apps representing 200B+ downloads.



Financial Services

Example companies in category

CHASE  **CITI**  **HSBC** **BBVA**

Financial services enjoy maximum protection through regulatory moats and switching costs. With less than a third of discovery traffic vulnerable and strong retention, traditional banks face minimal AI threat.

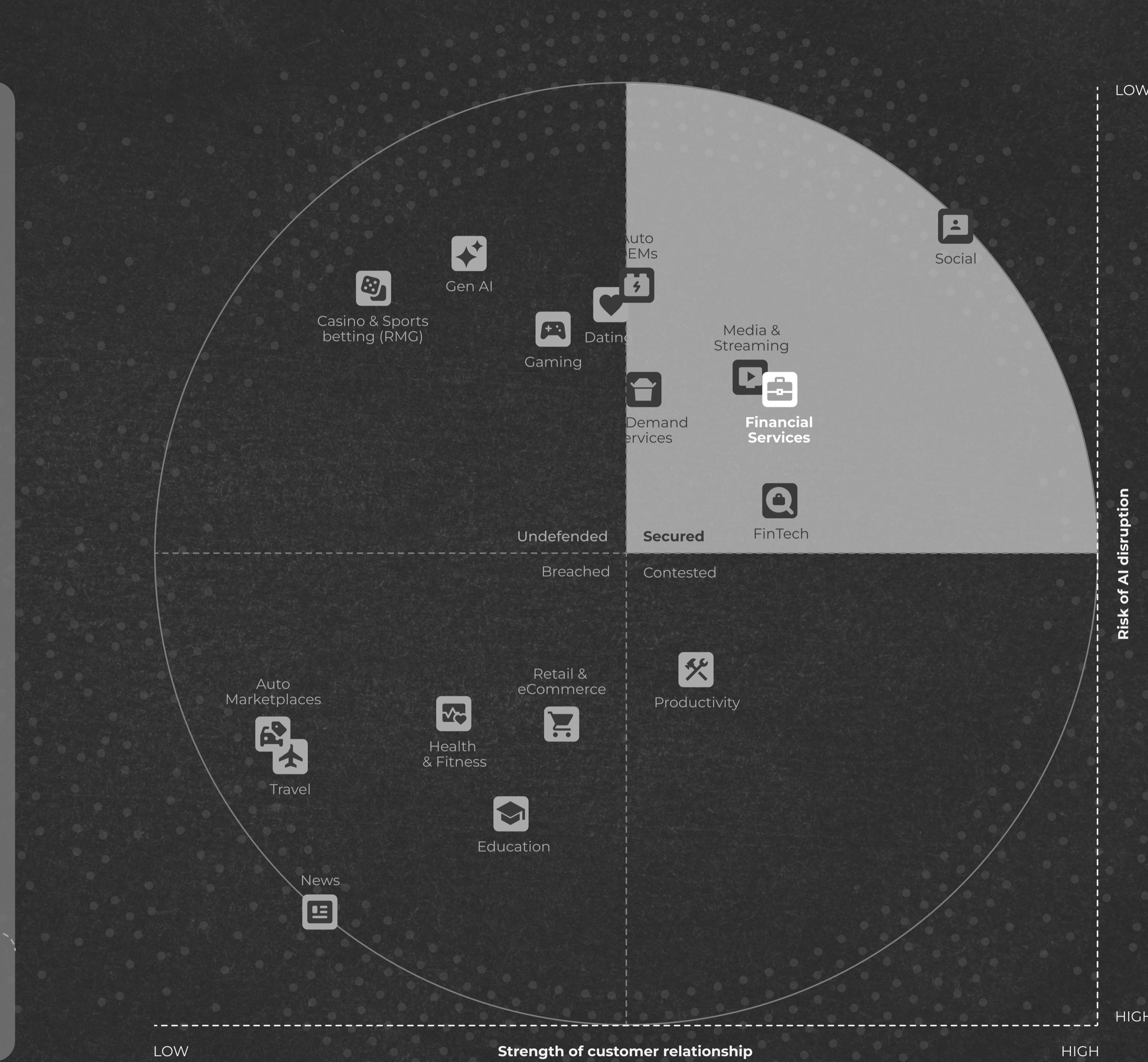
Core workflows require licenses and compliance AI cannot replicate. The opportunity lies in using AI to enhance personalization while maintaining trust and regulatory advantages that new entrants cannot match.

“Financial services will be behind other industries in agentic commerce - people still need to read terms, review details, and apply manually.”

—Head of Digital Marketing Platforms, Leading Bank



Source: Moloco and BCG (2025). Based on surveys and interviews with 250 senior marketing leaders (CMOs & VPs) across 15 verticals, plus performance data from 3,000+ apps representing 200B+ downloads.



FinTech

Example companies in category

 PayPal  Revolut  Cash App  venmo

FinTech maintains a strong defensive position with proprietary data moats and regulatory shields.

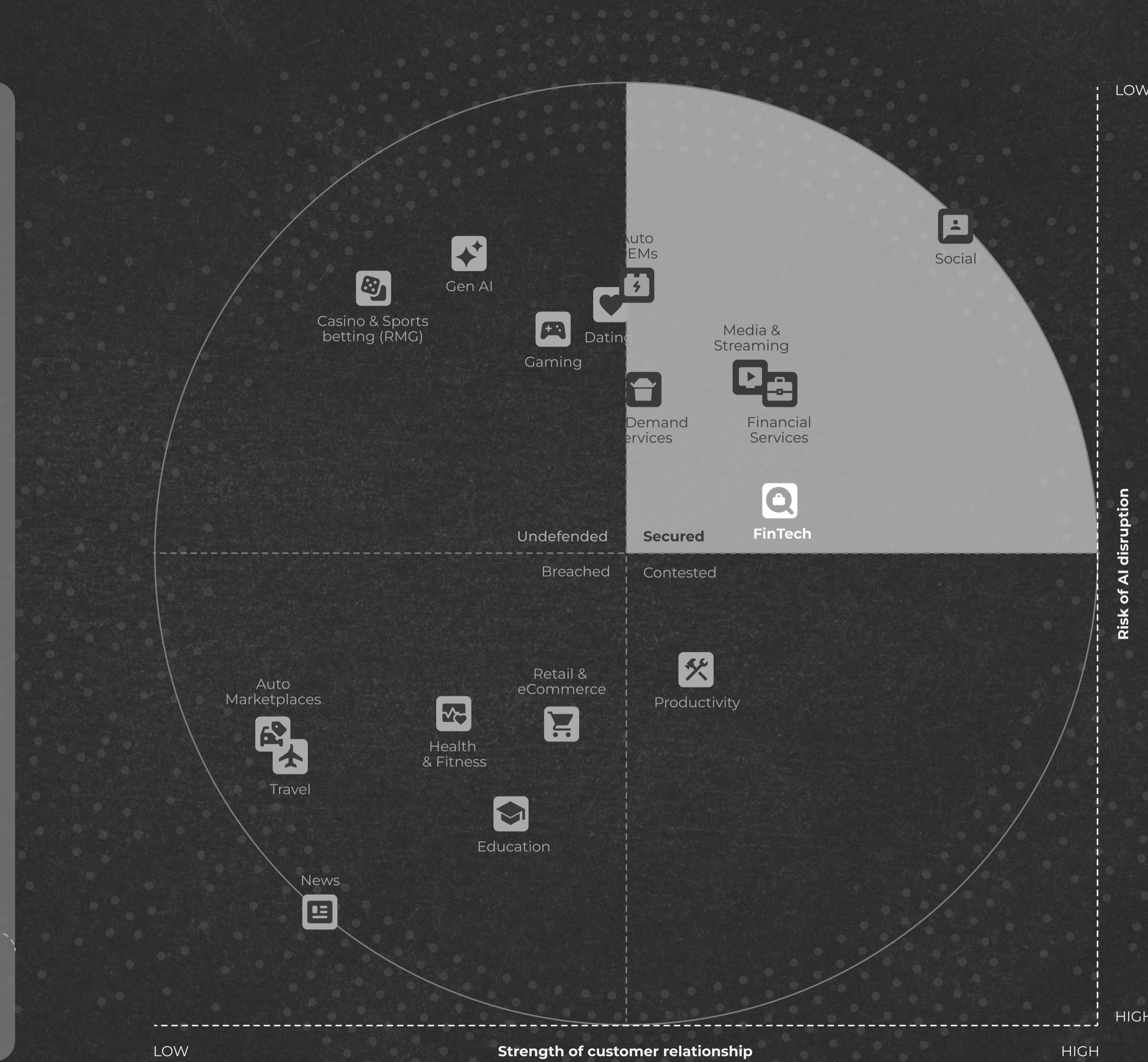
While AI can educate and compare, it cannot access bureau data or approve loans. With 71% retention and 81% app engagement, platforms can leverage unique data while selectively partnering with AI ecosystems to maintain visibility without losing control.

“AI isn't sending you ten options anymore. It's sending you one - and we need to be that one”

—Director of Growth Market, Financial Services Comparison Platform



Source: Moloco and BCG (2025). Based on surveys and interviews with 250 senior marketing leaders (CMOs & VPs) across 15 verticals, plus performance data from 3,000+ apps representing 200B+ downloads.



On-Demand Services

Example companies in category

Uber  DOORDASH  lyft  RESY

On-demand services remain protected by real-world logistics AI cannot replicate. Relatively strong retention and proprietary merchant/courier networks means platforms face limited disruption.

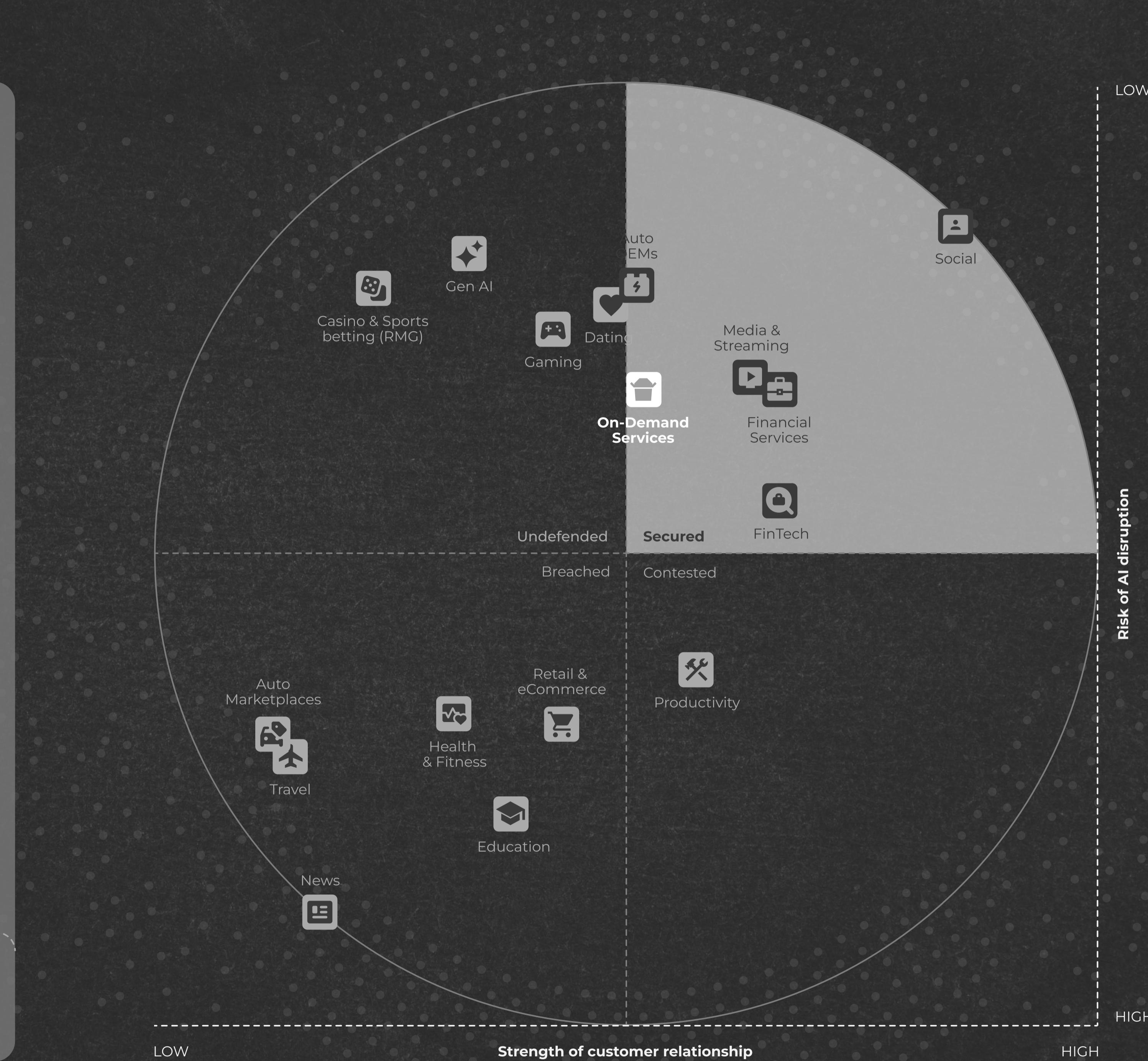
While AI may handle ordering, fulfillment requires physical infrastructure. The opportunity is preparing for agentic reorders while strengthening in-app discovery and cross-category expansion.

“Most of conversion today comes from promotions, but you can't offer a promo inside an LLM answer. Over time, conversion will depend more on brand trust, and eventually agentic commerce will take hold.”

—Head of Marketing Strategy, Global Food Delivery App



Source: Moloco and BCG (2025). Based on surveys and interviews with 250 senior marketing leaders (CMOs & VPs) across 15 verticals, plus performance data from 3,000+ apps representing 200B+ downloads.



Gaming

Example apps in category



Mobile companies enjoys some protection from service disruption but relatively weak loyalty creates some vulnerability from discovery disruption.

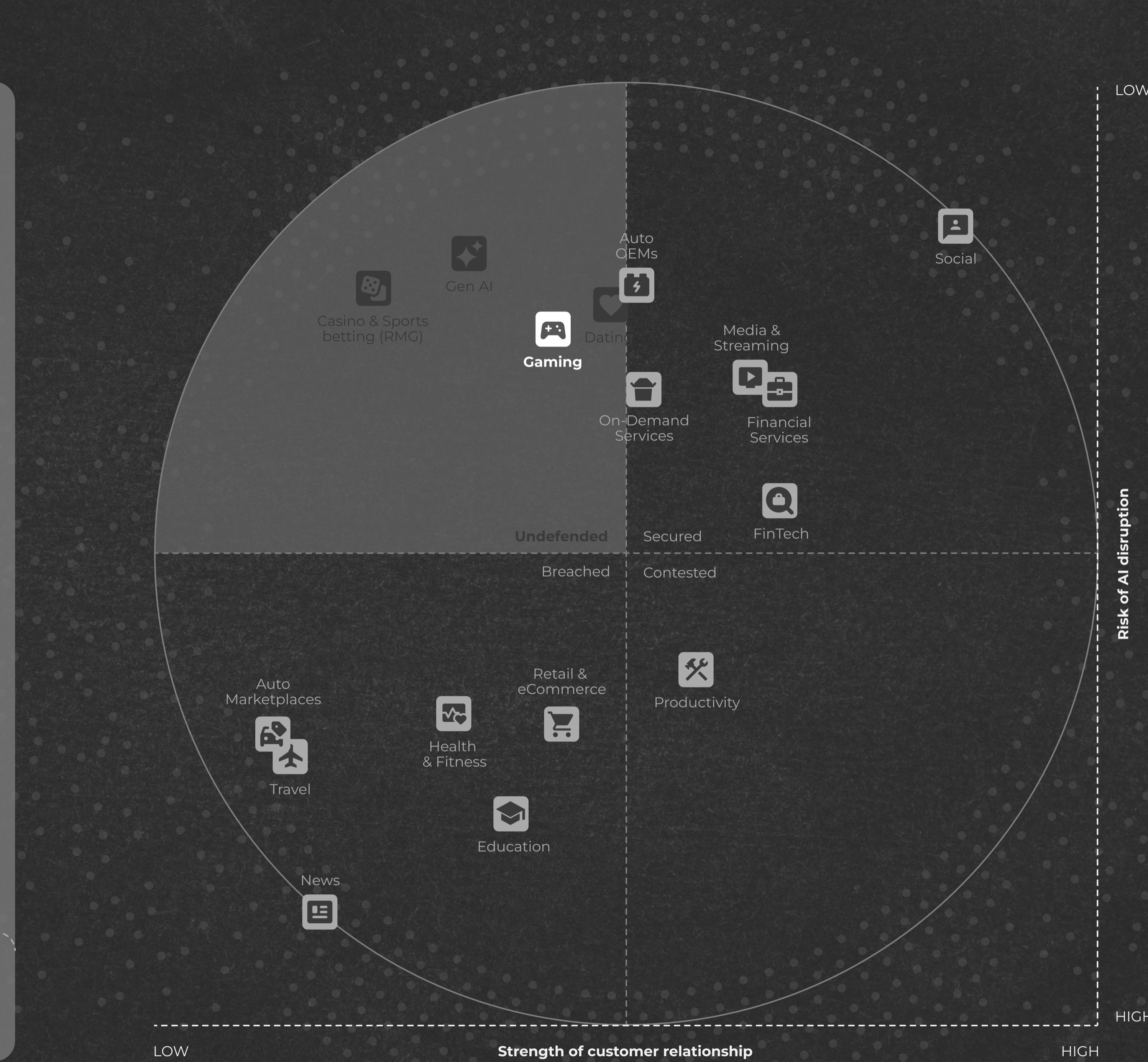
While AI cannot replicate gameplay or live operations, moderate retention and paid-heavy acquisition leave gaming exposed as discovery channels shift. App-native engagement provides defense, but without stronger retention mechanics, user acquisition costs may climb.

“AI is great for speeding up creative iterations, but it doesn't replace the actual game or the player experience —those come from years of development, IP, and live-ops.”

—Product Marketing Director, Leading Gaming Publisher



Source: Moloco and BCG (2025). Based on surveys and interviews with 250 senior marketing leaders (CMOs & VPs) across 15 verticals, plus performance data from 3,000+ apps representing 200B+ downloads.



GenAI

Example companies in category

ChatGPT character.ai Claude Gemini

Gen AI platforms face unique positioning:
They are the disruptors but face intense
competition.

With 40% traffic from vulnerable channels
and episodic usage patterns, platforms
must build stickiness through distribution
partnerships and specialized use cases.
Success depends on becoming
indispensable infrastructure rather than
novelty tools.

**“Most of our growth is still organic...
people see an answer link or a
shared thread and try it themselves.”**

—Head of Partnerships, LLM



Source: Moloco and BCG (2025). Based on surveys
and interviews with 250 senior marketing leaders
(CMOs & VPs) across 15 verticals, plus performance
data from 3,000+ apps representing 200B+
downloads.

LOW

Strength of customer relationship

LOW

Risk of AI disruption

HIGH

HIGH



Gen AI

Casino & Sports
betting (RMG)



Auto OEMs



Dating



Gaming



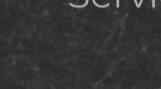
On-Demand
Services



Media &
Streaming



Financial
Services



FinTech



Secured

Breached
Contested



Productivity

Auto
Marketplaces



Travel



News



Retail &
eCommerce



Health &
Fitness



Education



Casino & Sports betting (RMG)

Example companies in category



RMG remains insulated by regulatory barriers and real-time odds that AI cannot replicate. However, weak loyalty from promo-chasing creates vulnerability.

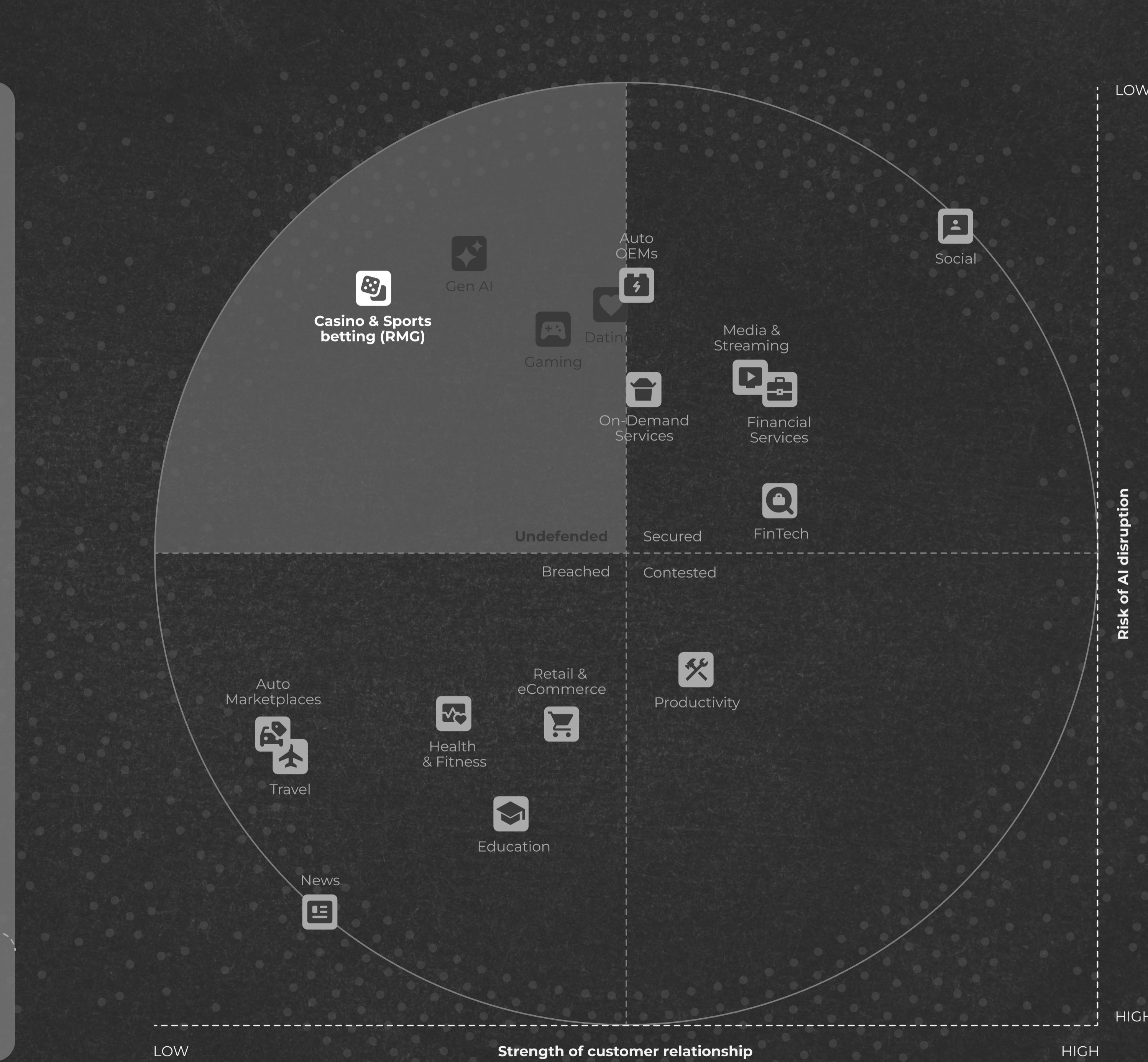
With 35% traffic from disrupted channels and moderate retention, platforms must strengthen relationships through personalization and VIP programs before discovery channels shift further.

“It's an app business... almost all of [our customers] are going to be organic on any given day just based on the purchase frequency of the category... for us, brand trust is the number one factor.”

—EVP Marketing, Sports betting brand



Source: Moloco and BCG (2025). Based on surveys and interviews with 250 senior marketing leaders (CMOs & VPs) across 15 verticals, plus performance data from 3,000+ apps representing 200B+ downloads.



Dating

Example companies in category

Dating remains protected by its core function of creating real-world relationships. However, moderate loyalty and episodic usage create vulnerability.

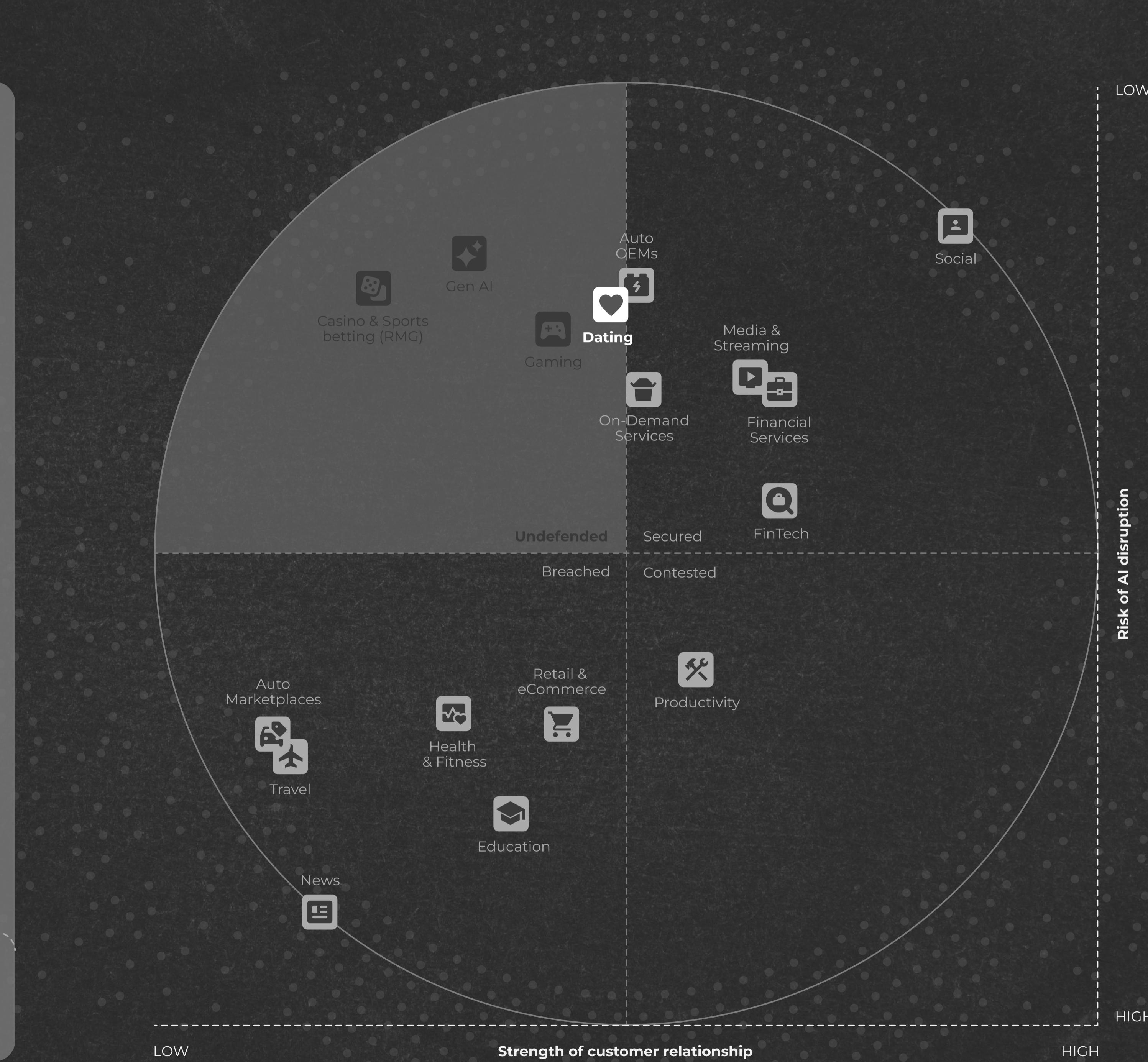
With moderate traffic from disrupted channels and users increasingly asking AI for relationship advice, platforms must may look to strengthen retention through community features and adjacent networks (i.e., BFF, professional) before AI reshapes discovery.

“People still rely on word-of-mouth and friends, but Gen Z is already starting to ask ChatGPT for relationship advice - and that share will only grow.”

—Director, Product Marketing, Global Dating App



Source: Moloco and BCG (2025). Based on surveys and interviews with 250 senior marketing leaders (CMOs & VPs) across 15 verticals, plus performance data from 3,000+ apps representing 200B+ downloads.





While journeys shift, **relationships endure**

Every vertical and company will face a unique set of opportunities and challenges, but there's one strategic principle that's consistent. Customer relationships are the durable asset of the AI future.



Here are **three critical strategies** forward-looking CMOs are using to drive connections:

- 01 Investing in the best digital experience for customers: mobile apps**
- 02 Owning and activating customer signals**
- 03 Rethinking channel mix in the new age of discovery**



Here are **three critical strategies** forward-looking CMOs are using to drive connections:

01

Investing in the best digital experience for customers: mobile apps

While everyone fights for visibility in the disrupted world, surfaces where brands own the direct relationship are now a primary competitive advantage. That's why brands are doubling down on creating great experiences on mobile, the stickiest surface for consumers.

Brands can curate and control the end-to-end **mobile app experience**, and make the most of first-party data to offer:

- Personalized content and discovery that learns from user behaviors and preferences
- AI-driven browsing, comparison, and assistance
- Gamified interactions and exclusive access/rewards
- Community ecosystems and interactions that increase loyalty

For marketers, mobile apps are a **critical digital strategy**. Investing in mobile apps means access to actionable first-party data, closed-loop measurement, and most importantly, continually deepening connections with customers. "

02

Owning and activating customer signals

03

Rethinking channel mix in the new age of discovery



Here are **three critical strategies** forward-looking CMOs are using to drive connections:

01 Investing in the best digital experience for customers: mobile apps

02 Owning and activating customer signals

Customer signals will continue to be a critical differentiator as third-party signals become less reliable. The more brands can understand their customers, the stickier connections and relationships they can build.

Customer expectations are higher than ever, and making the most of the customer signal can be the primary difference-maker in being able to understand and meet those needs.

Key strategies include:

- Embed data capture throughout the customer journey, not just at conversion.
- Build unified profiles that connect web, app, and offline behavior.
- Use AI to activate first-party data for personalization at scale.
- Drive growth by effectively re-engaging lapsed users.

03 Rethinking channel mix in the new age of discovery



Here are **three critical strategies** forward-looking CMOs are using to drive connections:

01 Investing in the best digital experience for customers: mobile apps

02 Owning and activating customer signals

03 Rethinking channel mix in the new age of discovery

While everyone fights for visibility, forward-looking brands are building customer relationships on surfaces they own. Investing in a mobile app can mean access to actionable first-party data, closed-loop measurement, and most importantly, deeper connections with customers.

Not every brand needs an app, but for brands who can offer frequent engagement, complex service, or community ecosystems, investing in a mobile app has huge upsides.

Highly disrupted channels include paid and organic search, programmatic display (web), and affiliate channels

More **resilient channels** are ones with direct engagement and access to first-party data, allowing for personalization and closed-looped performance, including:

- In-app marketing channels
- E-commerce and retail media
- Email and CRM



Let's grow
your app

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BCG Report 

Read online 

Methodology

About the Research

This report leverages insights from multiple research methodologies conducted with Boston Consulting Group from June to October 2025.



Quantitative Survey

283 marketing leaders (VP/C-level) across 15 verticals and 5 regions, representing companies from \$50M to \$10B+ in revenue.

Expert Deep Dive Interviews

15 senior executives (VP/C-level) from leading companies across key verticals.

Performance Analysis

App performance data from 3000+ apps with 200B+ downloads, analyzing retention rates, engagement patterns, and acquisition channels (Moloco/Sensor Tower/Semrush).