

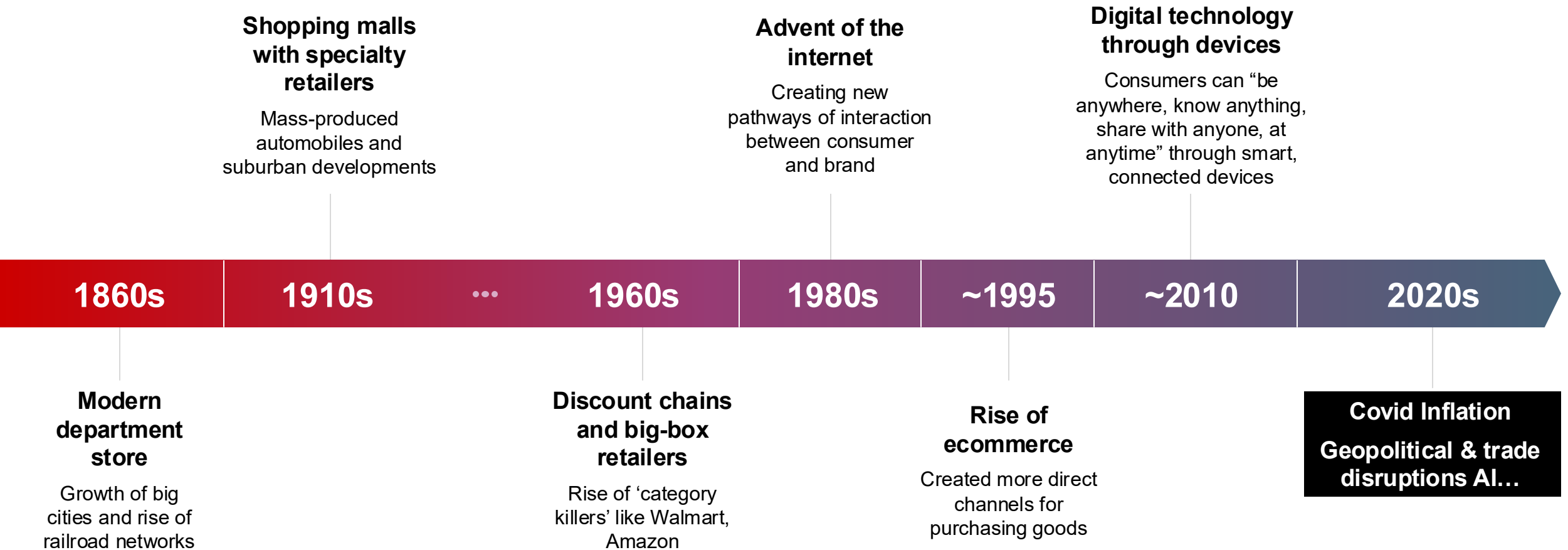
BAIN & COMPANY 

Future of Retail

SIX PROVOCATIONS THAT WILL
LEAD THE RETAIL RENAISSANCE



Disruption in retail is not new – the industry has faced significant disruption with increasing frequency



Source: "The Future of Shopping", HBR (Dec 2011)

Profit pools continue to be under immense pressure as “uncertainty becomes the only certainty”

**Macro
headwinds
& Supply
insecurity**

**Proliferating
consumer
expectations**

**Changing
competitive
dynamics**

**Acceleration
of Tech &
Innovation**

**Cost
pressures &
underutilized
assets**

**Limited
organic
growth in the
core**

Six Provocations on the Future of Retail




**Algorithms
and robots
will run your
business**

1



**Your “loyal”
consumers will
cheat on you
with AI shopping
agents**

2




**You need to
win on value,
and value is
not just price**

3



**Grocers become
FMCGs &
B2B businesses**

4



**You won't
need as
many stores
as you think**

5



**Local scale is
no longer the
only scale you
need**

6

1

Algorithms and robots will run your business

Automated AI has taken over 80% of today's core retail processes across the value chain (Merch, CatMan, Pricing & Promo, Store Ops, Supply Chain, etc)

Core Retail operates 2X faster, with significantly better outcomes and **50% less FTE resources** above the store

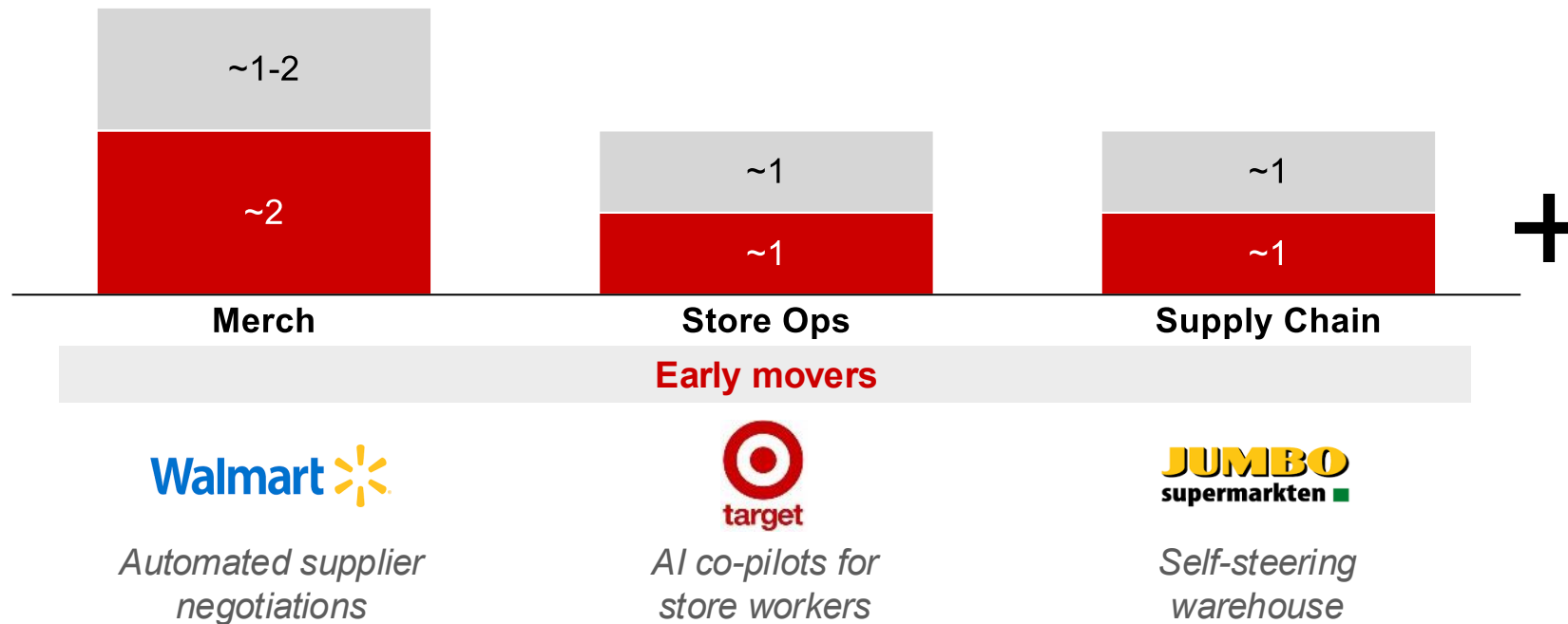
The “**Science of Retail**” is **fully commoditized**, meaning anyone (including new entrants) can **buy and deploy “Retail in a Box”**

1

AI driven transformation

Net bottom line savings potential (p.p. of EBIT)

■ Already achieved ■ Future potential



~30% of US retail labor time is estimated to be automated in the future

~5-15% revenue uplift from AI-led personalization

~15% productivity gains already unlocked through AI in support functions

Retailers who are not adopting new automated & “commoditized” ways will be left behind & miss several points of profitability

2

Your “loyal”
consumers will
cheat on you
with AI shopping
agents



Shopping is AI agent-led, curated, automated and **brand-agnostic** for many consumers, **reducing retailer control** of the customer relationship

Loyalty and growth is captured by those who **develop** the winning **AI agents** and/or those who become the retailer of choice

The new retail game is about **who can best optimize assets for AI discovery**

2

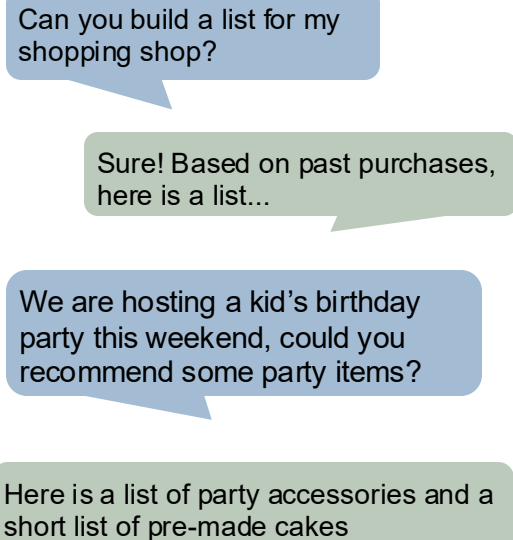
What will shopping with an AI agent be like?

Visual and voice search



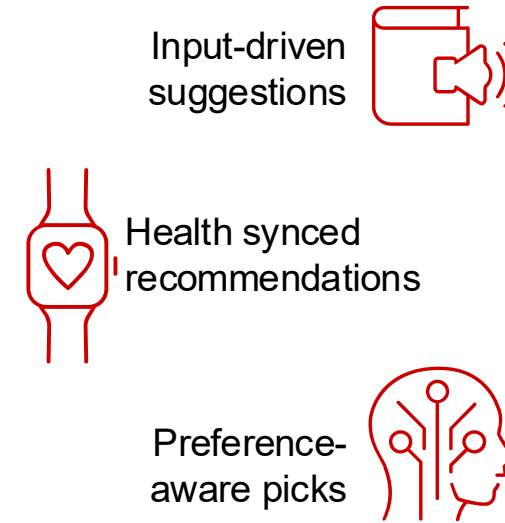
As voice & visual search grow smarter, they're redefining commerce—turning inspiration into instant, seamless shopping experience

Conversational interface



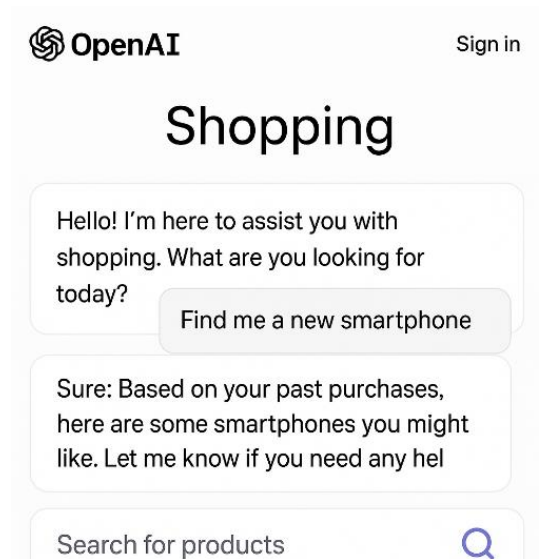
Conversational chatbots will turn everyday needs into customized shopping lists through natural, real-time dialogues

Personalization



AI-led personalization will soon expand—blending data with health, constraints & preferences to deliver more intelligent, context-aware suggestions

Aggregation



AI will enable new third-party aggregators—reshaping retail by disintermediating retailers and creating direct, smarter paths between consumers and products

2

Already happening today...

Visual and voice search



Kroger's Chefbot shows how visual search is evolving—transforming simple photos into recipe ideas & shopping cues

Conversational interface



Results from Hopla:
4x higher conversion
5x lower bounce rates

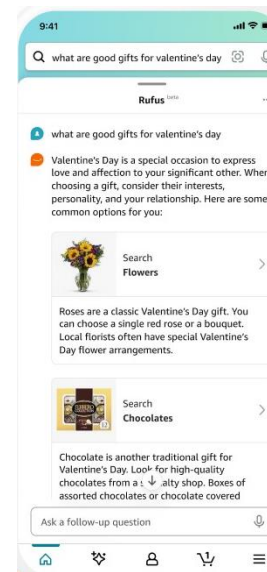


Ran out of protein powder while making morning smoothie? **Text Walmart** to add it to your cart!



Conversational chatbots turn everyday needs into customized shopping lists through natural, real-time dialogues

Personalization



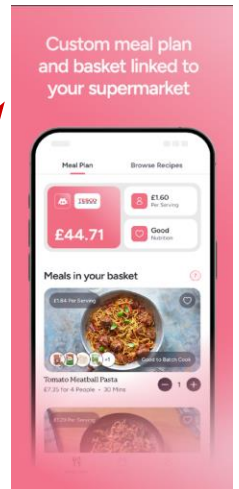
Rufus acts as a buying guide—answering ‘why this?’ and ‘what’s the difference?’ with AI in natural language

AI-driven personalization aligns, user preferences, and context to deliver smarter, more adaptive recommendations

Aggregation



Mealia is a third-party app which connects with **Tesco** to offer AI-generated meal plans and shopping lists tailored to user preferences and budgets



Smart retail platforms powered by AI unify brands, predict needs, and deliver hyper-personal shopping experiences

3

You need to win on value, but value is not just price

Technology **radically reshapes the retail economics**, enabling **deeper** investments in price and the customer value proposition; retailers who **don't adopt the new ways will be left behind** as unable to compete with new standards

Value is no longer just a race to the bottom on prices

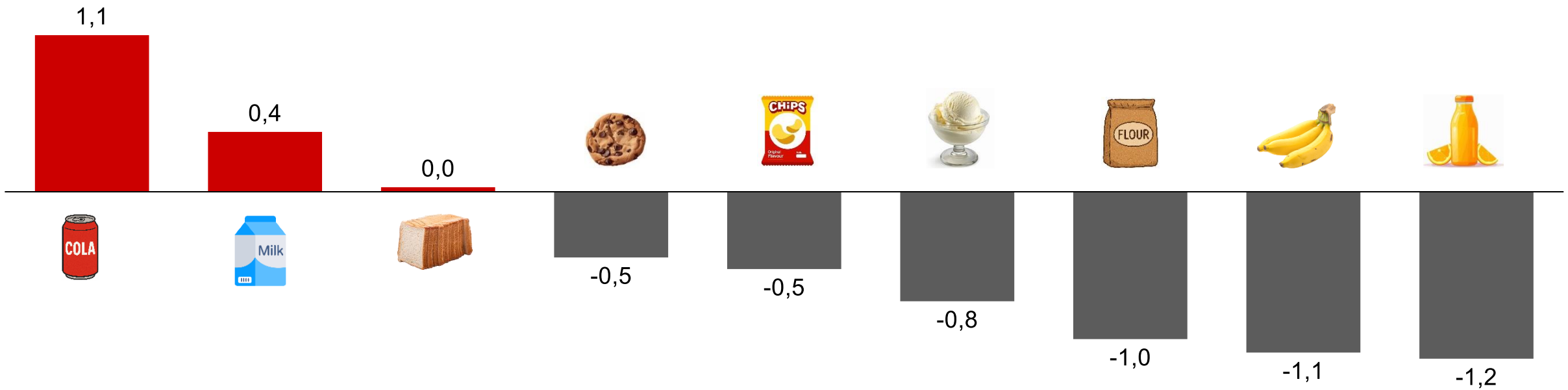
Winners will master the “personal value game” with their core consumers across the 2-3 KPCs that are most relevant to them in each shopping mission

3

Real pressure on real prices

Over the last few decades, real grocery prices have generally decreased

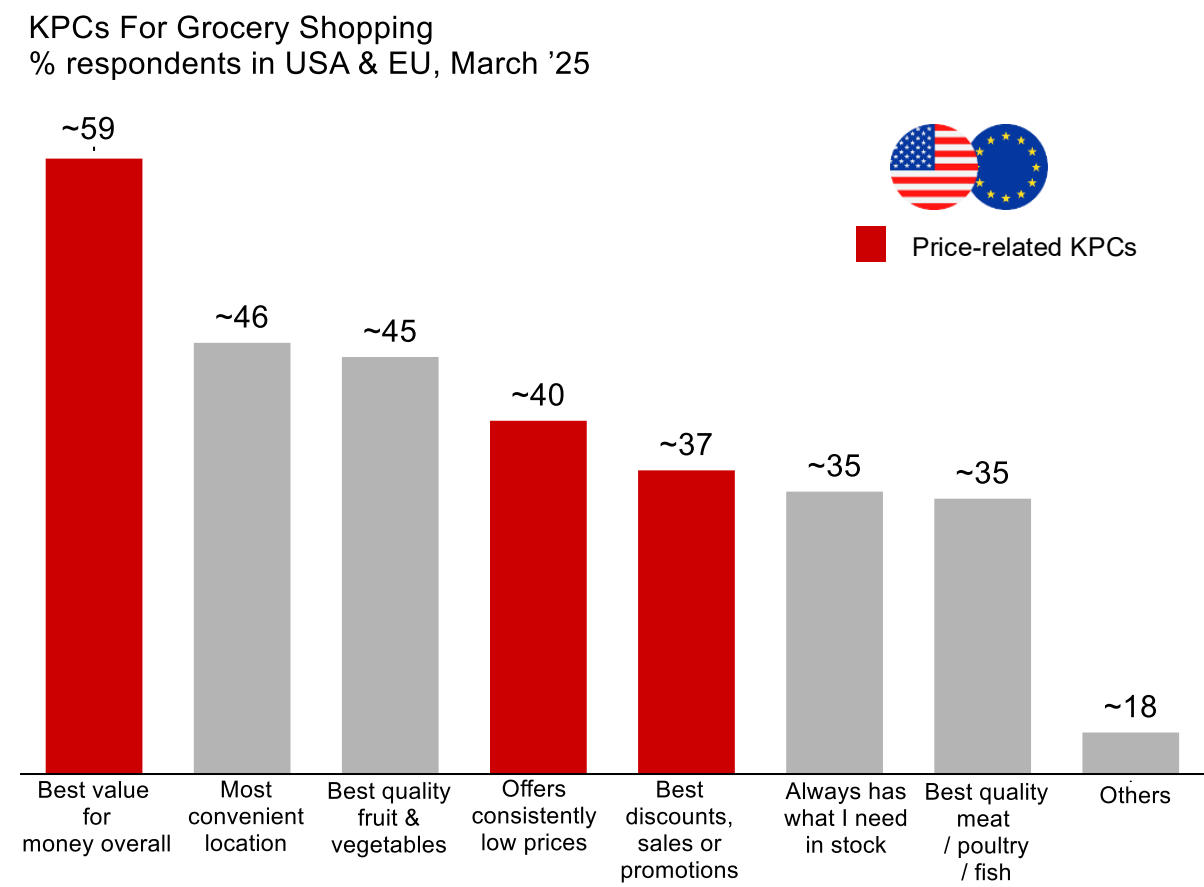
Real price change over time (40+ years, % p.a.)



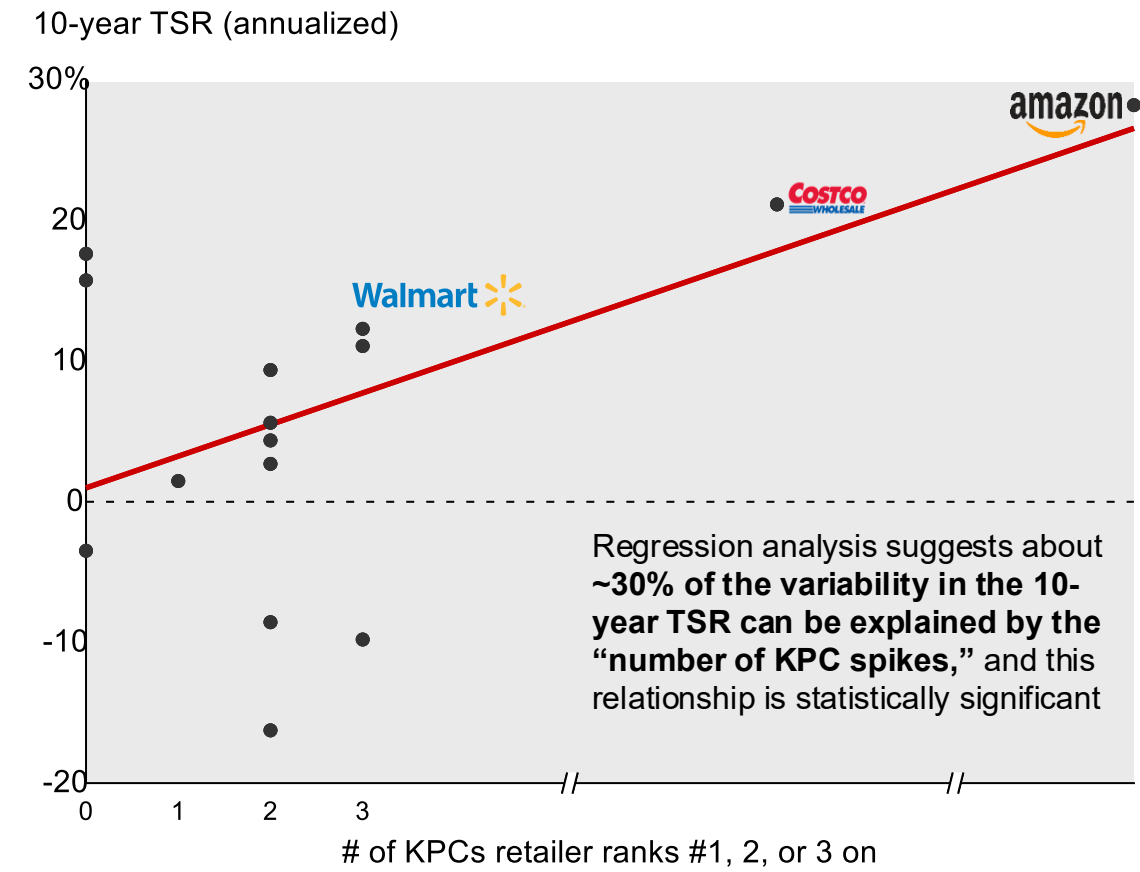
3

Redefining Retail Value

However, consumer value consistently extends beyond price



Retailers who invest in price and win on multiple value drivers see consistent growth



Imagine when...

4

Grocers become FMCGs & B2B businesses

An important differentiation in the future of grocery will be **exclusive assortments and surety of supply**

Core growth in grocery stalls, and the business definition of 'retail' dramatically shifts, with **all incremental profit growth coming from new adjacent “Beyond Trade” businesses**

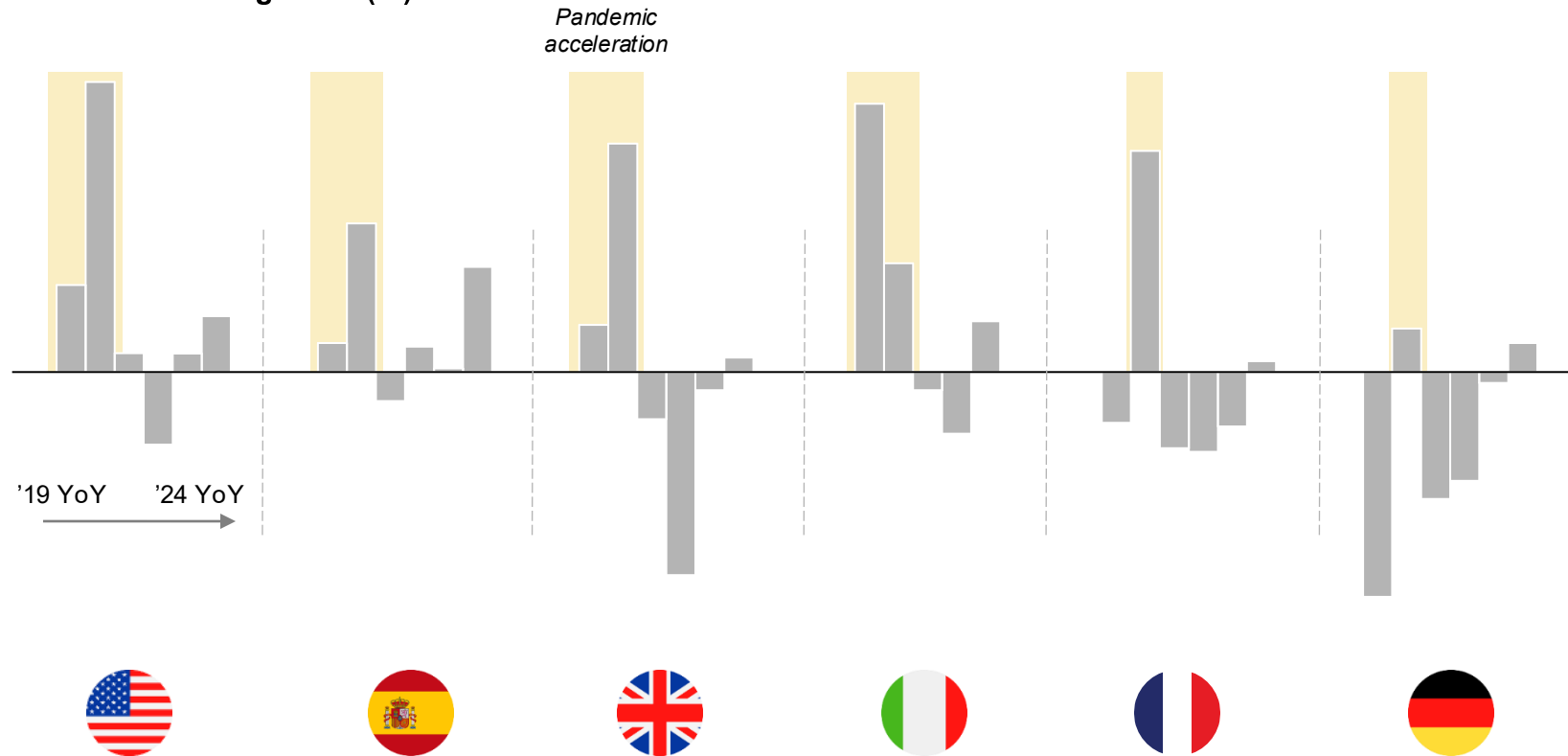
Data & Traffic are the new “Candy and Soda” of retail

4

Stagnating core growth

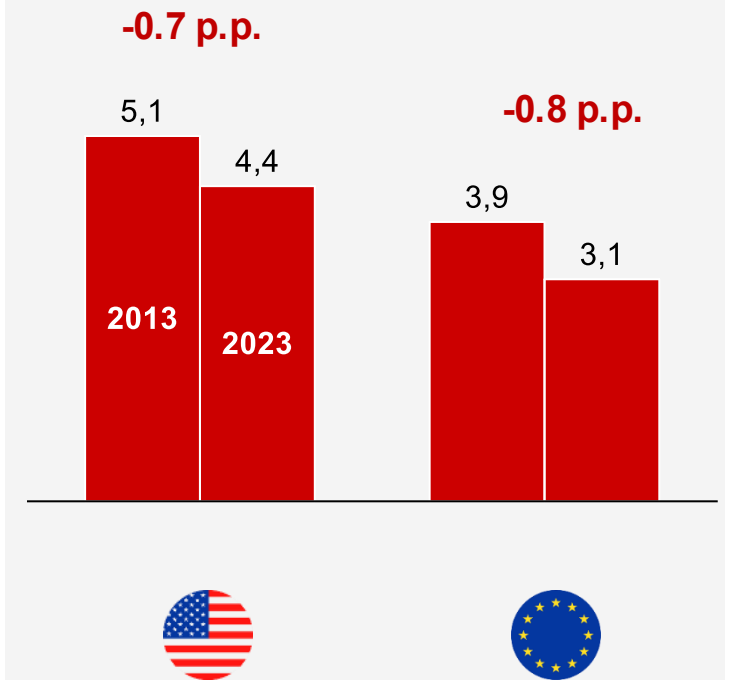
Over the years, grocers have seen declining volumes...

Grocers volume growth (%)



...and profits

Public grocers EBIT margin (%)

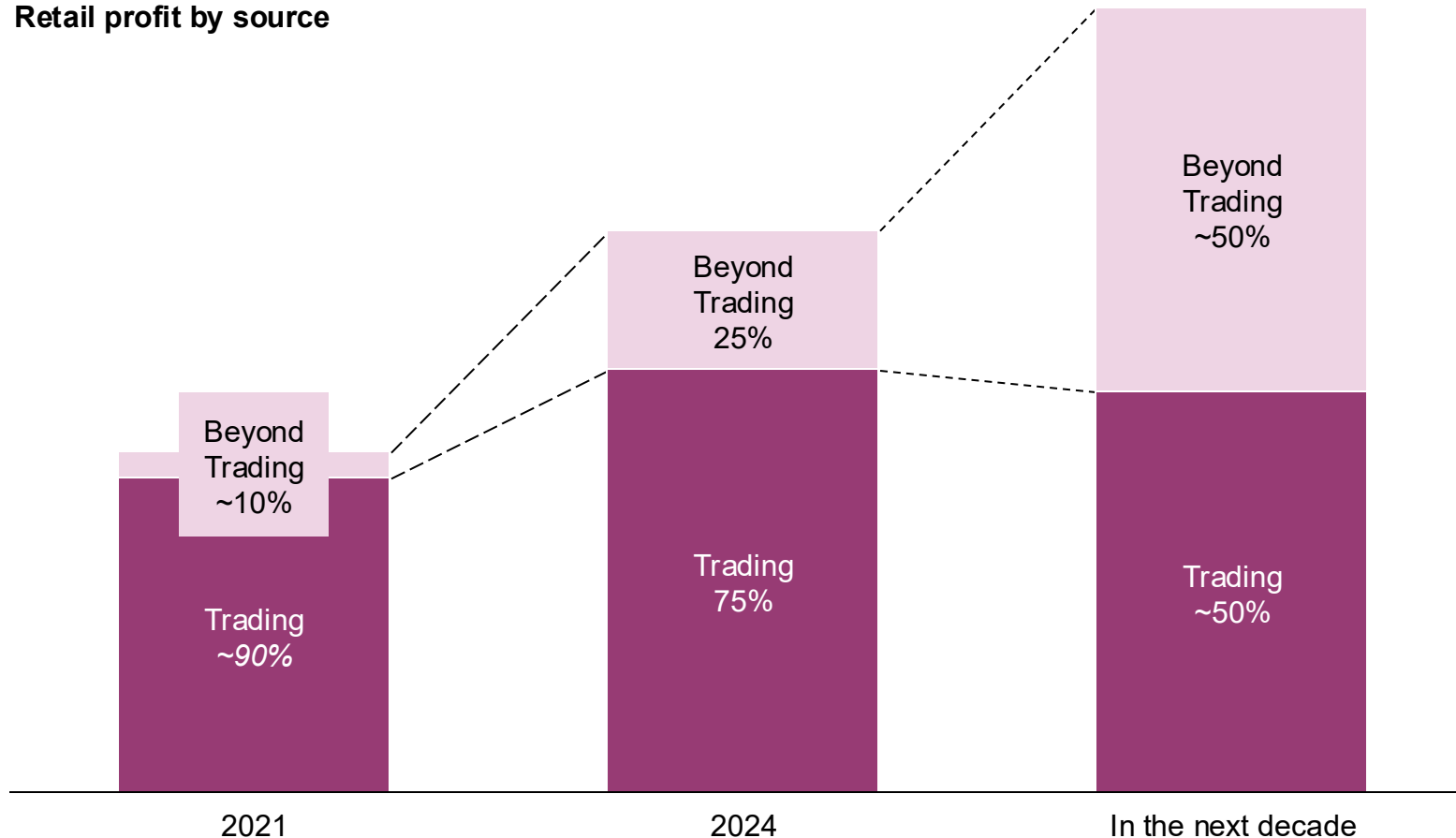


4

Growth in Beyond Trade

Beyond Trade will be critical for retailers to achieve resilience and generate profit

Retail profit by source



Leading players have already established offerings



**Walmart
Connect**

**RMN revenue
~\$4.4B ('24)**



**RMN revenue
~\$649M ('24)**



**RMN profit
~\$1.4B ('24)**

5

You won't need
as many stores
as you think

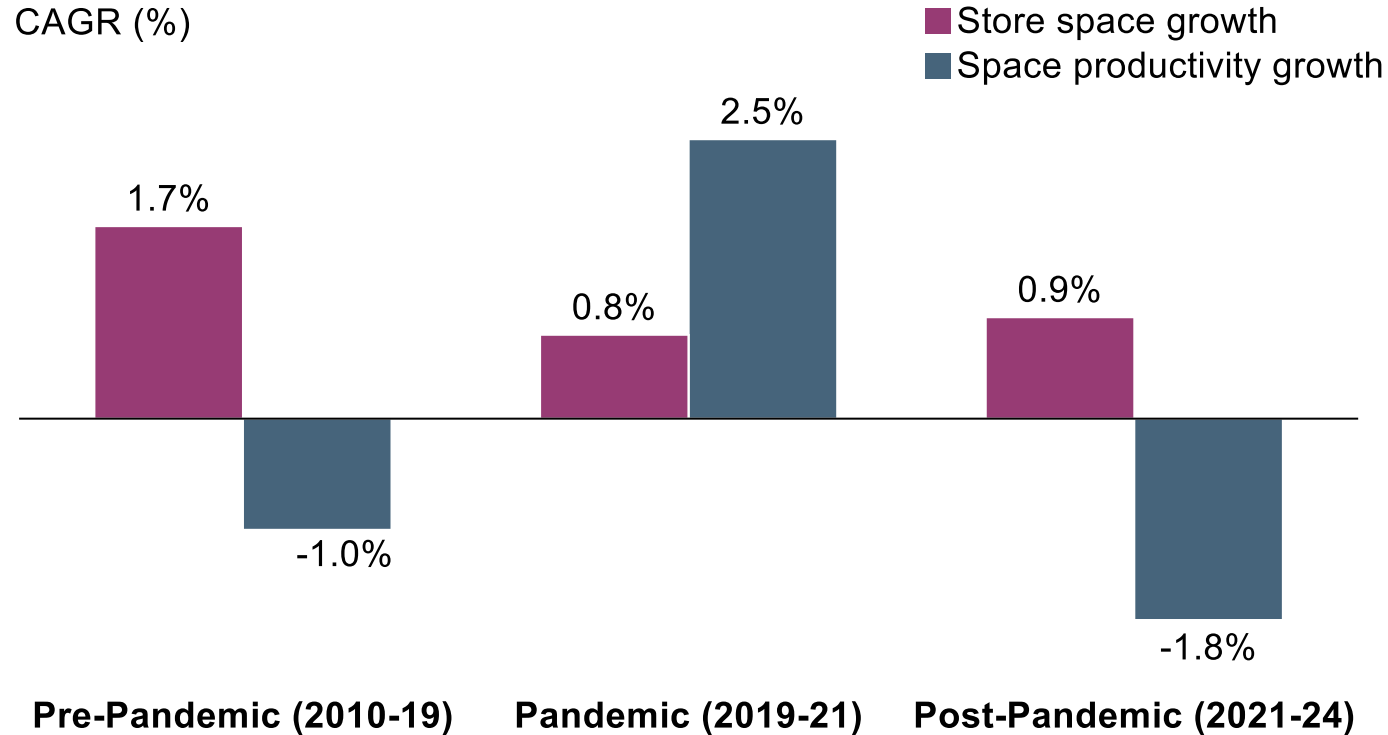
The overall **value, shape & CAPEX of store networks** are challenged given declining store productivity

Store overcapacity reaches a correction point, where oversaturation is no longer an option, forcing store closures

The **role of remaining stores evolves** into fully digitized media and retail-tainment destinations and/or fulfillment hubs



Productivity declines will make future expansion harder to justify...



Since the pandemic, US store space has grown 0.9% annually—even as productivity has fallen by 1.8%—revealing a structural imbalance that challenges the long-term viability of current expansion strategies

5

Store space tipping point

If productivity was to return to previous levels, we would need

-10%

less US grocery store square footage

-15%

fewer US grocery stores

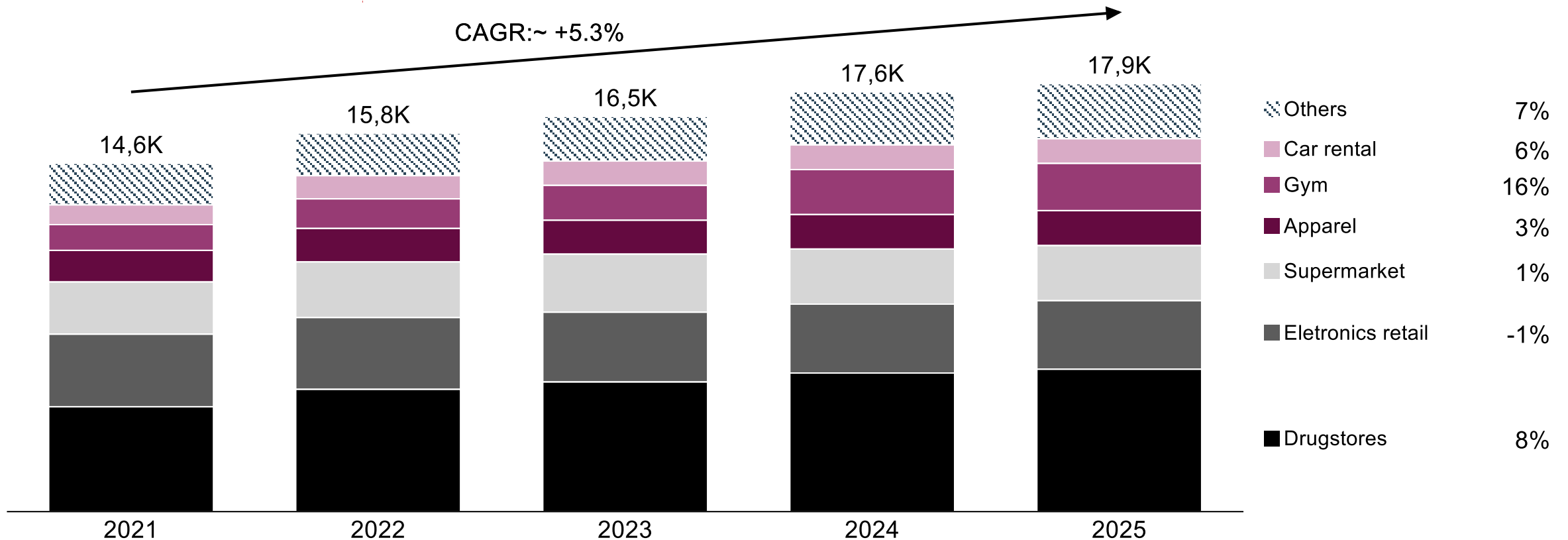
based on 2010 peak productivity levels

5

In Brazil, number of stores operated by leading retailers has increased since the pandemic, driven primarily by drugstores

Quantity of stores per year

(#k of stores, 2021-2025)



Note: 1- Enterprises considered (i) Drugstores: Raia Drogasil/RD Saude; d1000; Pague Menos; Panvel (ii) Eletronics retail: Magazine Luiza; Lojas Quero – Quero; G. Casas Bahia (iii) Supermarket: Carrefour; GPA Alimentar; Assai; Grupo Mateus (iv) Clothing: Lojas Renner; C&A; Guararapes (v) Gym: Smartfit (vi) Car rental: Localiza; Movida (vii) Others: Vivara; CVC; Petz) 2- For Carrefour, the same number of stores was considered in 2021 as in 2022
Source: Companies' investor relations

6

Local scale is no longer the only scale you need

Winning day-to-day still occurs with local RMS, but **Global/regional scale reaches an inflection point** becoming the main driver of growth, cost leverage, and the ability to re-invest to win locally

International growth and regional/cross-border M&A become the norm

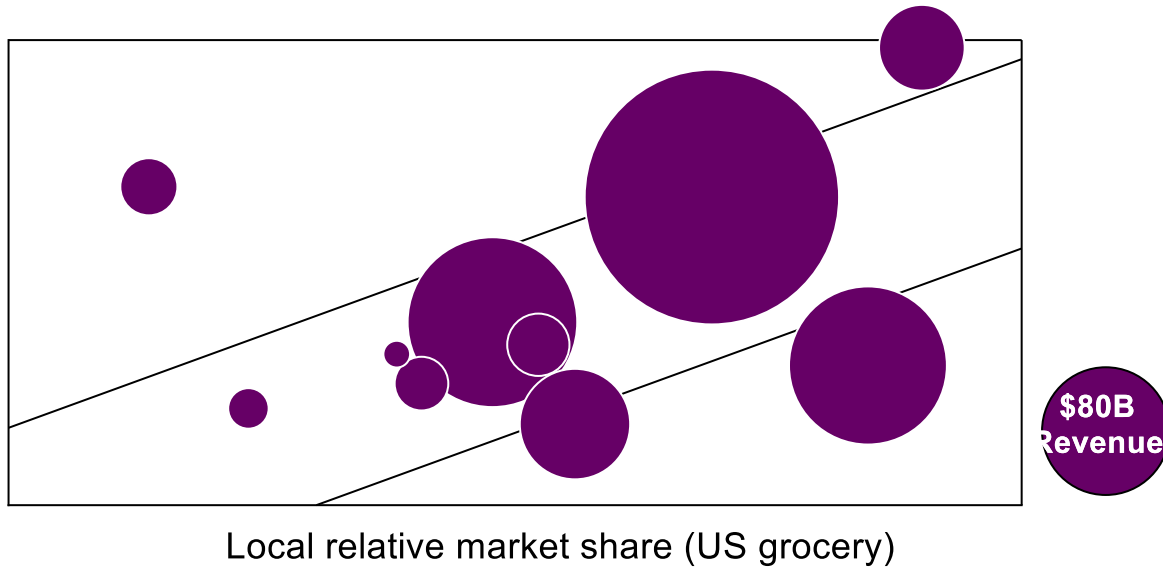
Scale players can afford to leapfrog on new tech and capabilities with scope deals

6

Absolute scale for the win

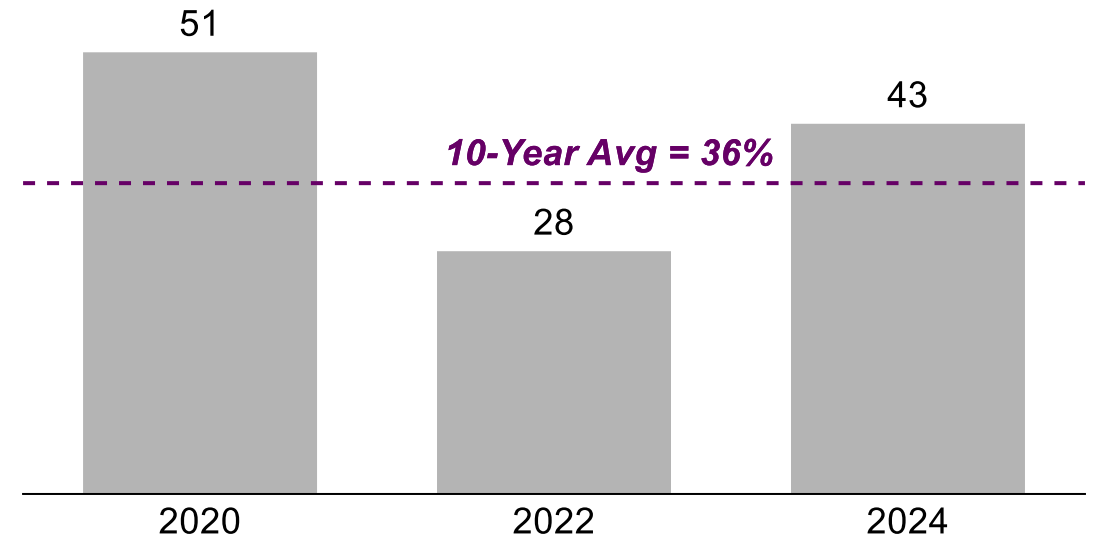
Local relative market share (RMS) still drives margin advantage..

EBIT margin (%)



...but global players have begun to capture outsized growth

Share of US retail growth (AMZ, WMT, COST)



6

M&A as a critical capability

M&A will be critical for retailers to scale quickly, and leap-frog on capabilities

Cross-border deals are enabling reach and access to new markets



2018

Aiming to enter one of the biggest and fast-growing retail market



2020

Added ~500 stores in France



2021

Added ~125 stores in Arizona



2024

Aiming for combined ~100K stores globally

...while capabilities-led M&A powers growth in emerging, high-value business areas



2018

Grow eComm offerings



2017

Expand private label offerings



2023

Expand retail media capabilities



2024

Enhance advertisement capabilities


Going into 2025, ~30% of Retail M&A practitioners said they were focused on scale M&A, while ~40% said they were more focused on scope deals, with the remaining ~30% focused on both

In Brazil, these provocations on the Future of Retail are reflected in two ways



In Brazil, these provocations on the Future of Retail are reflected in two ways





**Convenience
and hyper-
personalization
will be the rule
rather than the
exception**

Imagine when...

Each buying journey is completely shaped by intelligence engines, with real-time data and preferences: from the product to the channel; recommendations, language; Tests and offers

Interfaces with virtual assistants and predictive applications, which anticipate the customer's desire even before they verbalize it

Personalization reaches such a degree that the consumer does not realize that he is being influenced, but feels that everything has been done for him, when he needs it

Brazilians are hyperconnected

55%

Brazilians
own
smartphones

3,6

*Devices per
person*

70%

Of the
population uses
social media

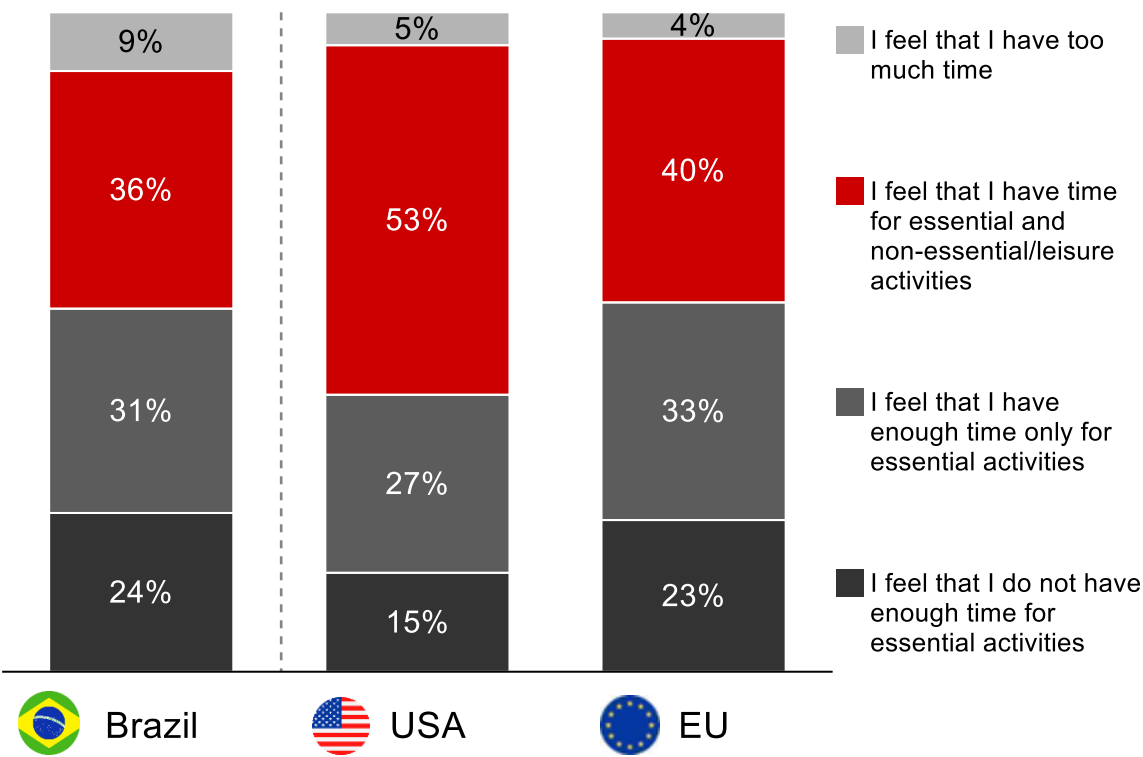
9h

Average screen
time per day of
Brazilians



Brazilians declare they don't have time for their favorite leisure activities

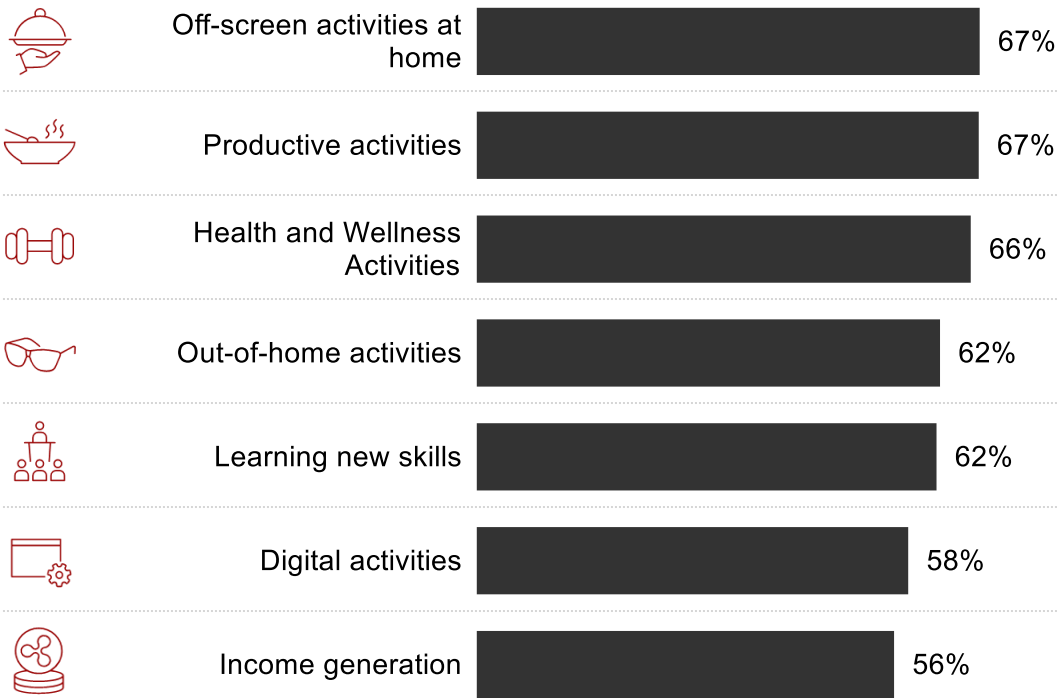
Consumer sentiment about their time
% respondents, Nov '23, EU, Sep '23; US, Sep '23



Q: During a typical week of the year, select which of the following statements best describes how you feel about your time

They declare to don't have time for off-screen, productive activities and health and well-being

Relative importance of activities enjoyed by consumers in their leisure time



Q: Considering the options below, what do you like to do the most in your spare time?

Convenience and Personalization have become a key point in consumer purchases

83%

of consumers say convenience **while** shopping is more important now than it was 5 years ago

73%

of consumers expect a personalized experience **and** **express** frustration when their shopping experience is **impersonal**

When asked about the top reasons to shop with a women's fashion retailer
% respondents

21% of respondents say they "have the most convenient location(s)"

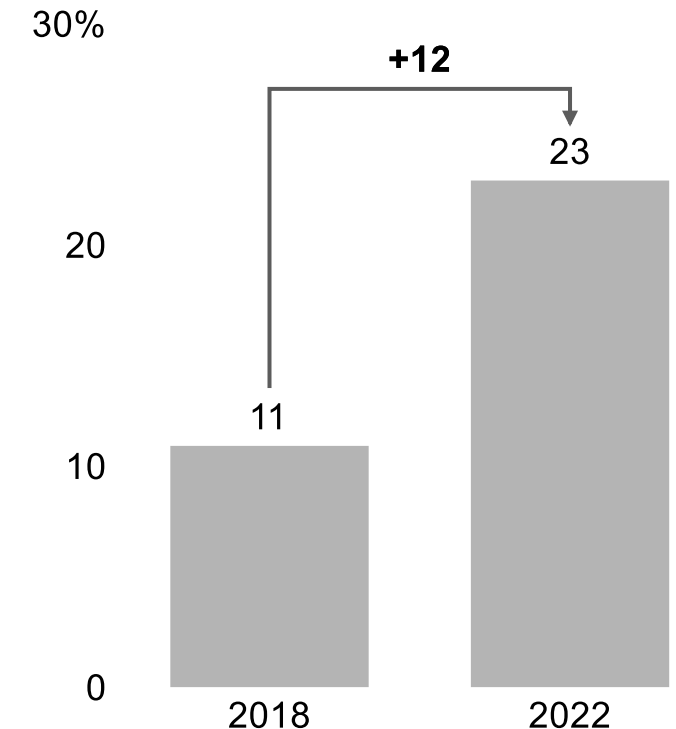
18% of respondents say "it is the easiest store to shop in"

17% of respondents say "it's a unique app"

16% of respondents say "they have a website/app that makes it easy to buy products"

12% of respondents say "It allows customers to shop quickly and leave with ease"

"Best Exchange Policy" as KPC
% Interviewed



Increased demand for convenience and personalization have implications for the physical store

Frictionless and personalized journey

Personalization and curation of the product journey and discovery, with the convenience of the **hybrid sales model**

Store as a **critical touchpoint** in the customer journey

Maximizing stock availability / minimizing friction



Checkout-free GetGo in a hybrid format (store operates both with and without checkout), shortening the shopping trip;

In addition, the chain has started personalizing prices through Clubcard ("Your Clubcard Prices")



Carrefour Flash 10/10 ("10 seconds to shop and 10 seconds to pay") features a shopping journey that does not involve having to scan any products and payment that is almost instantaneous"



Freshippo's - Food is prepared and kept warm in lockers, customer can scan the QR code in the app and pick up and go

Evolving spaces

As consumer habits continue to evolve, retailers are adapting their **operations and strategies to meet new demands**



Supermarket pick-up at subway and commuter train stations (TTC/GO Transit) with dedicated lockers or kiosks



Endless virtual aisles allow customers to browse, research, and purchase products online and offline

Without leaving home

Virtual grocery stores are delivering **fast and high-quality solutions** to customers' needs



iFood offers a quick market shopping option in certain regions, with delivery occurring within 15 to 60 minutes

Pão de Açúcar integrated e-commerce channel offering express delivery (within up to 2 hours same-day), scheduled delivery, or click-and-collect - entirely via WhatsApp



Convenience and hyper-personalization will be the rule rather than the exception



QUESTIONS RETAILERS SHOULD ASK THEMSELVES NOW

Are we able to identify our customers and know their preferences in the different channels?

Do we have the right infrastructure and data to power personalization algorithms at scale?

Does our technology enable real-time responses?

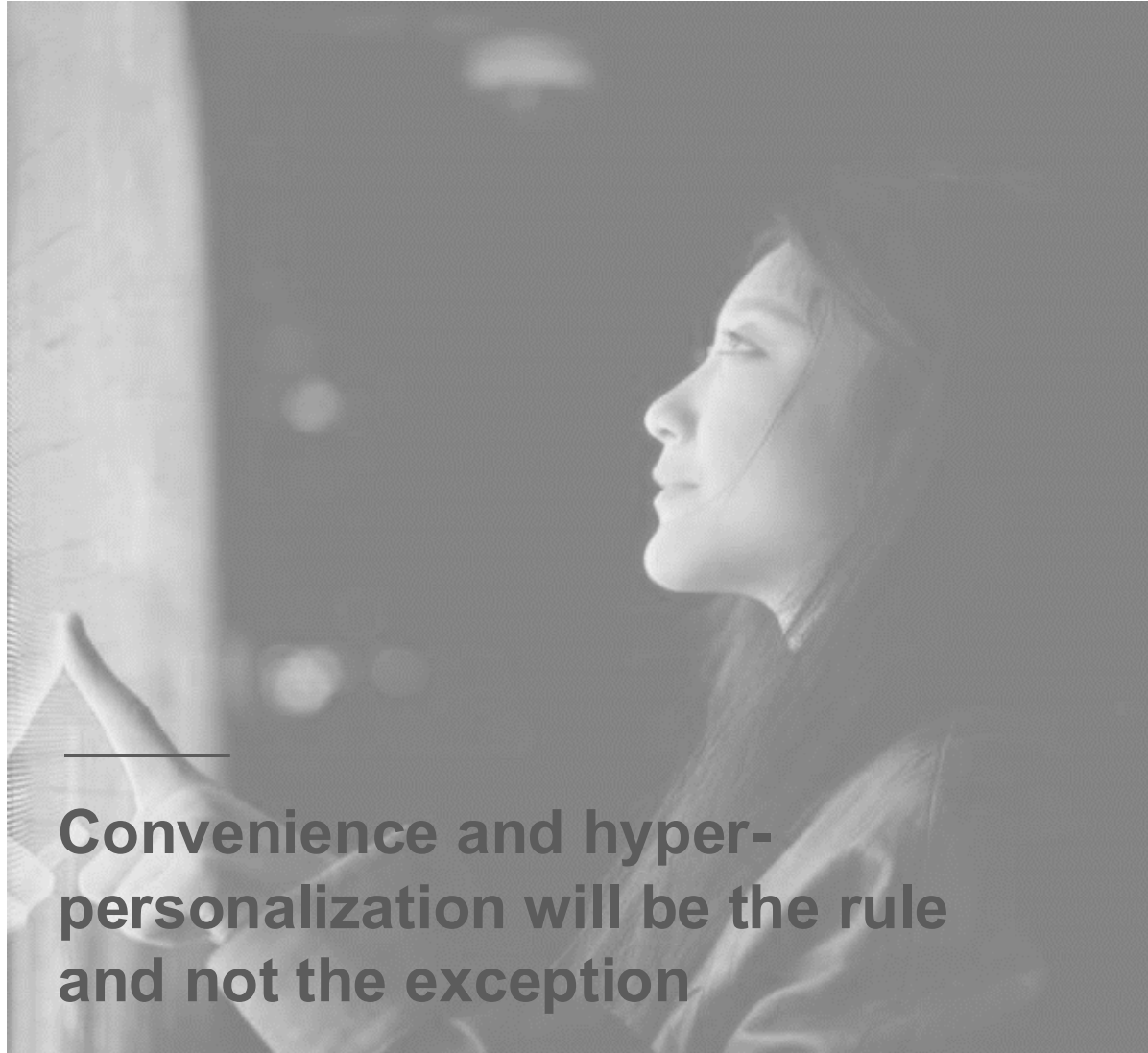
Or do we still operate with a delay in data activation?

Can we use our data as a prediction?

Is personalization ROI measurement standardized?

Are we really improving conversion and loyalty?

In Brazil, these provocations on the Future of Retail are reflected in two ways





**New generations
of consumers
will impact the
way brands
communicate**

Generation Z and Alpha are +50% of the market,
**demanding more transparent, inclusive brands
with a tangible** social purpose

User- and influencer-generated content completely
replace traditional campaigns, with a high focus on
content transmission through social networks

The **language and aesthetics of brands need to be
constantly** updated to reflect cultural trends

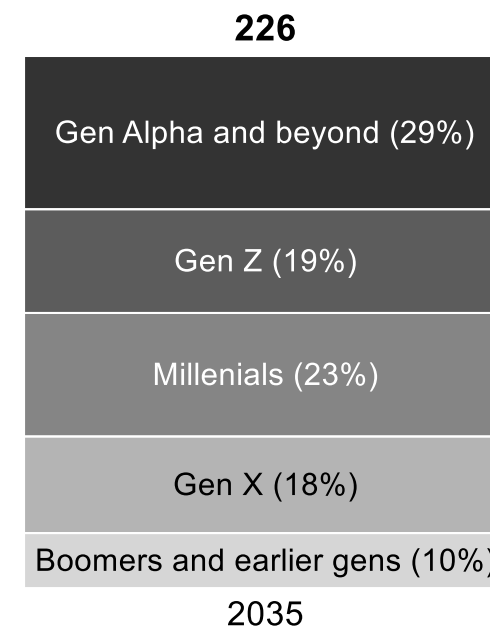
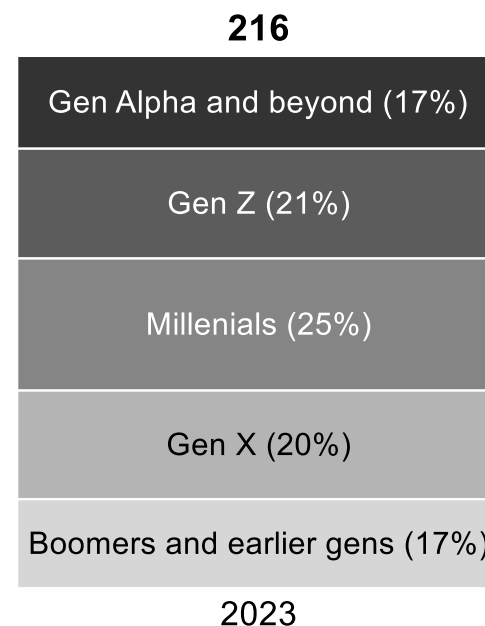
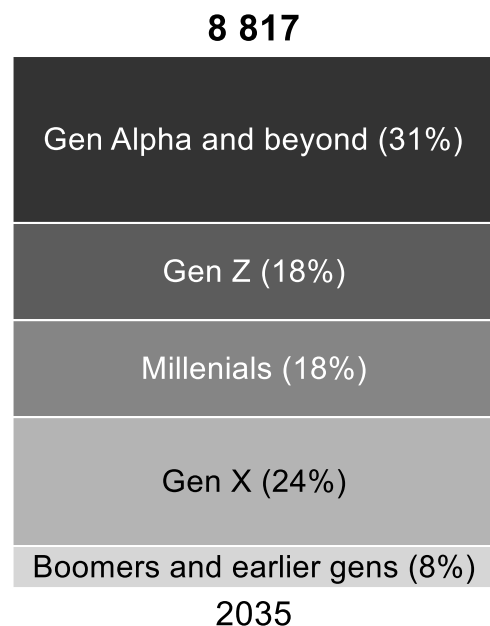
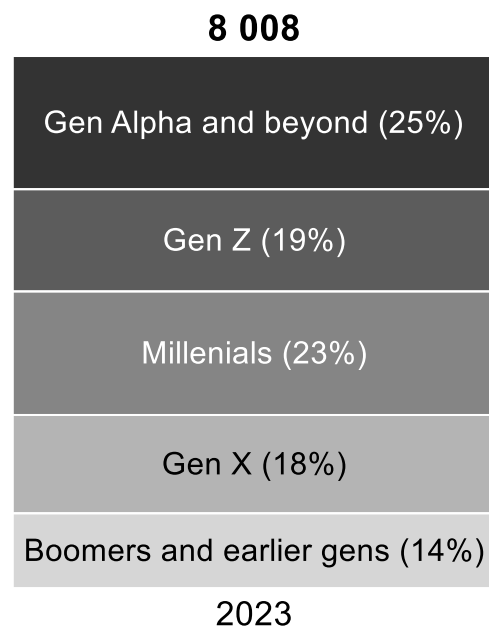
Brands act **as platforms and** communities, not just
product providers

Population will follow the global trend of aging; Gen Z and Gen Alpha will account for ~50% consumption in 2035

← **Global** →

← **Brazil** →

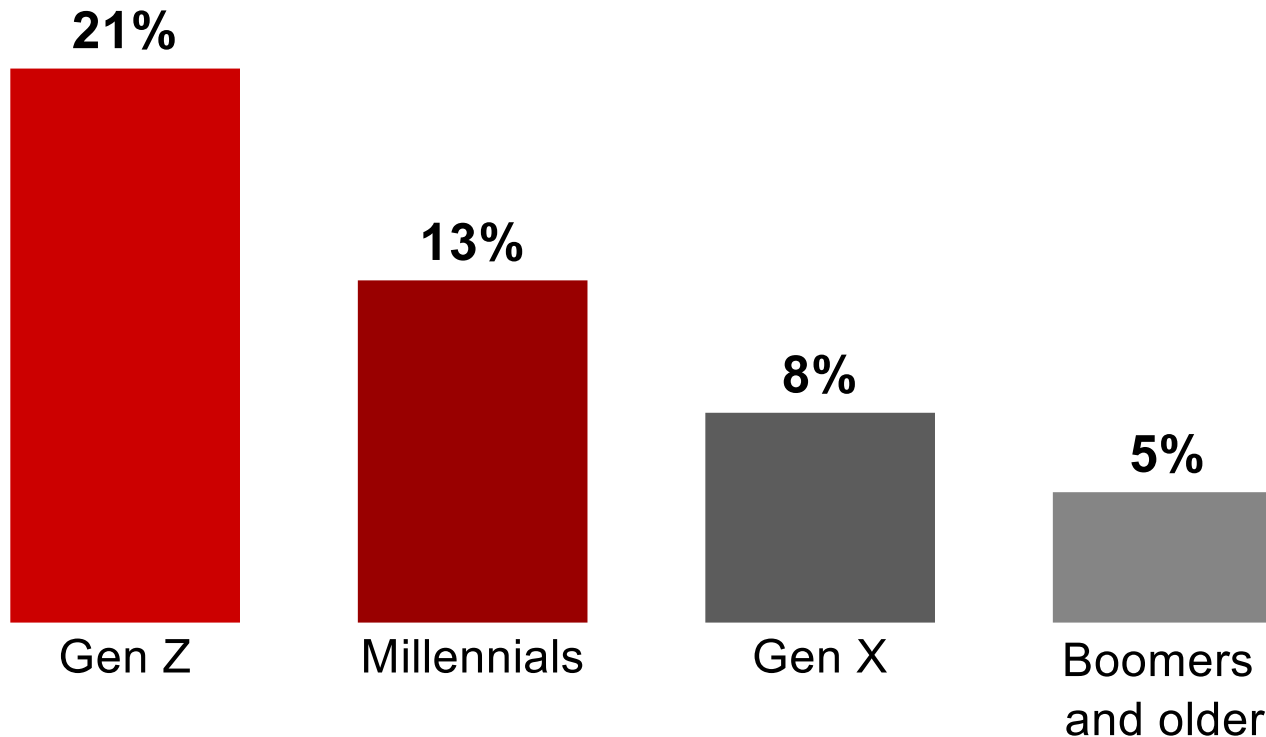
Generation (Millions of people)



Macroeconomic trends fuel increased consumption and consumer profile will change drastically

Younger generations are more likely to watch videos online and on social media to discover products

% of respondents who watched online videos about their purchases



Personalization of consumption

~500_k

Brazilian influencers on Instagram with more than 10k followers

Decentralization of content production meets individual mix demand per consumer

Retailers must establish a presence in social media and live shopping, because these are becoming key shopping channels.

Social media shopping

36%

of consumers have
already made
purchases through
this channel

38%

of consumers who have
not tried this channel
say they are likely to do
so in the next 2 years

Live Shopping

22%

50%

**Consumers
are already
shopping via
social media
and online
streaming
today**

Market and users come together according to new formats of Media emerge

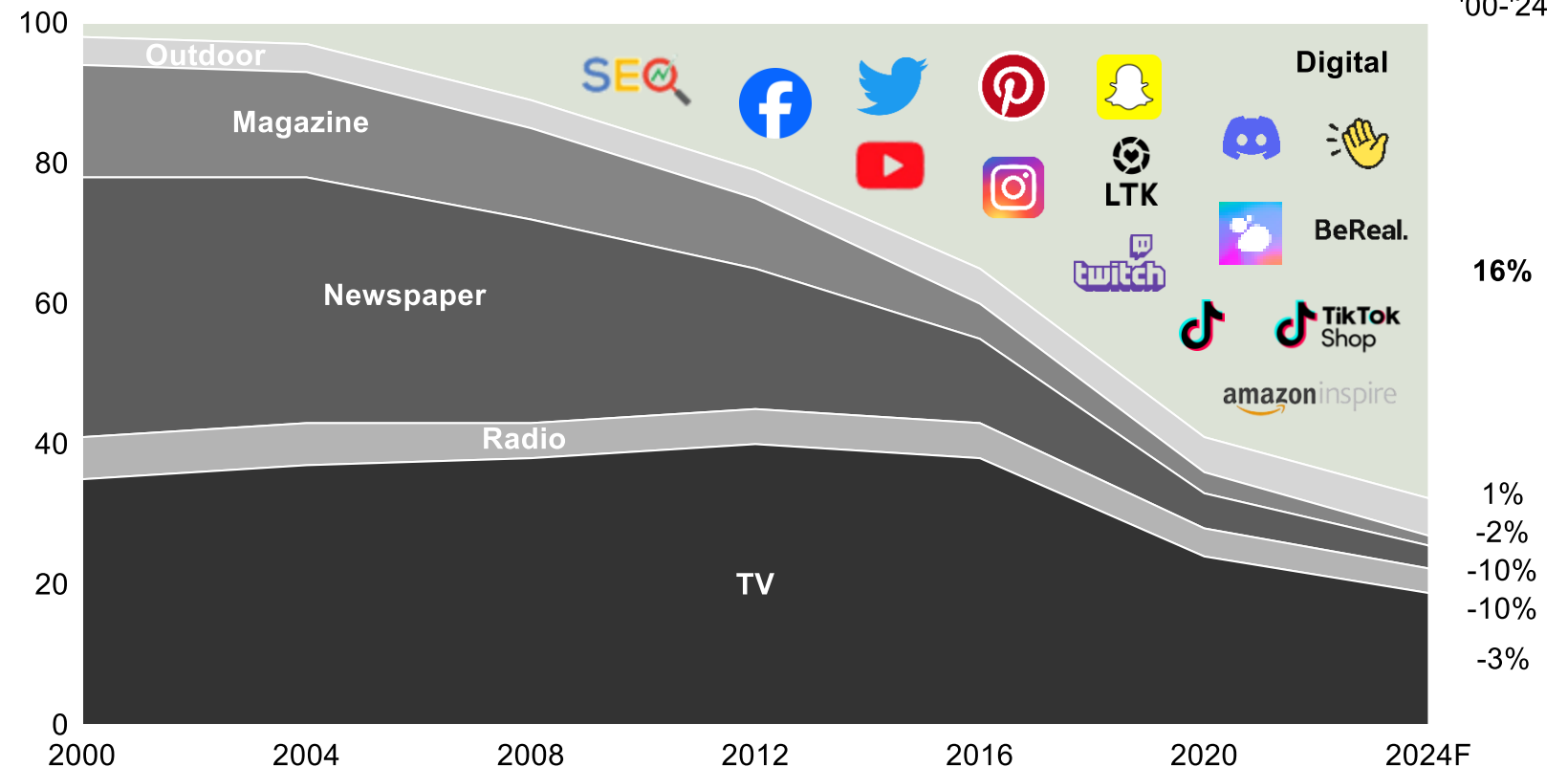
R\$35 bi

Digital Advertising
Investment (2023)

**82 million and 113 million
Brazilian** users on
Instagram and TikTok
(2023)

Brazilians spend, on
average, 3h37 a day on
social networks

Global media spending share by network/media (%)



Different movements seek to bring brands closer to the "new consumer"

Partnerships with creators

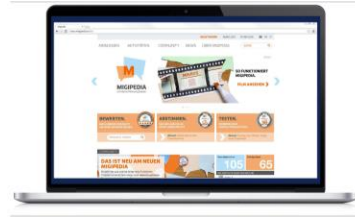
Collabs **allow creators to participate** in creative decision-making



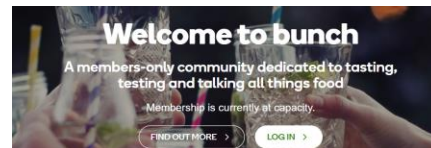
Tesco × Derek Sarno (Wicked Kitchen) - Chef-creator Derek Sarno served as Tesco's Director of Plant-Based Innovation and **co-created the Wicked Kitchen and Plant Chef product lines** (flavors, recipes, and packaging), **launched as exclusive offerings of the retailer**

Community Creation

Building a sense of community around the brand with collaboration by consumers



Migros - Community platform where **customers suggest ideas, test, and vote** to decide the flavors/limited editions that reach the shelves



Woolworths - **Product tasting & testing community** focused on food; enrollment in waves

Promote experiences

Experiences that allow **consumers to identify with the brand** and feel part of a community

Woolworths - **Shoppers collect seedling kits** to grow herbs/veggies at home



Eataly - **Cooking schools and guided market tours inside the store**

E A T A L Y

Design for everyone

Products and assortments that recognize the **diversity of consumers**

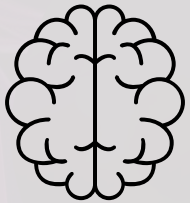


Walmart - **Dedicated Halal and Kosher assortments** alongside a Supplier Inclusion program to expand access for small and diverse suppliers



REWE - REWE frei von private-label line for gluten-free and lactose-free shoppers, **making allergen-aware choices easy**

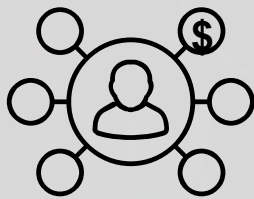
This next era of Retail Excellence demands bold strategic choices



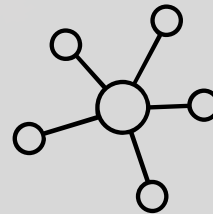
Act now to embrace AI across your value chain and radically change your economics



Invest to personalize & protect your consumer relationships, and defend against disintermediation



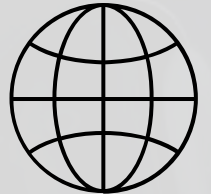
Stay competitive on price and deepen your customer value moats



Scale exclusive assortments and accelerate Beyond Trade



Reset and reimagine store and supply networks overtime



Build global scale to accelerate resilience



Thank you!