

The Future of Everyday Retail

Introduction

The consumer and retail landscape is undergoing a rapid transformation, driven by evolving consumer behaviors, groundbreaking technological advancements, and a dynamic global environment. This report delves into the key trends that will impact both online and offline commerce in the next 25 years, with a primary focus on the food and grocery industry and a secondary focus on packaged goods. These sectors, which provide essential goods and services, are at the forefront of this transformation, and understanding the forces shaping them is crucial for businesses to thrive in the coming decades.

Major Demographic Shifts and Their Impact

Demographic shifts will significantly impact consumer behavior and retail in the coming decades. These shifts influence consumer preferences, purchasing power, and the demand for various products and services. Retailers will need to adapt their strategies to meet these changing demographics. Some of the key demographic trends include:

- **Aging Population:** The global population is aging, with the number of people aged 65 and over projected to outnumber children under five by 2050 ¹. This will lead to increased demand for products and services catering to older adults. For example, CPG companies will need to rethink product offerings, packaging, and marketing to meet the needs of this aging demographic ². This includes considerations such as easier-to-open packaging, larger font sizes on labels, and products tailored to the health needs of older consumers. Walmart has experimented with "elder-friendly" store layouts and signage to reduce navigation hurdles and help older customers shop more easily, while Amazon's e-commerce platform tailors recommended products (such as vitamins, health-monitoring devices, etc.) for seniors with AI-driven personalization ².
- **Increased Diversity:** The U.S. population is becoming more racially and ethnically diverse, with the number of Asians and Hispanics projected to rise significantly ³. This will create opportunities for retailers offering diverse products and culturally relevant marketing ⁴. For instance, supermarkets are seeing increased demand for global foods, driven by the growing Hispanic and Asian shopper segments ⁴. Tesco in the UK has integrated specialty international aisles and partnerships with culturally specific brands, boosting foot traffic among diverse communities ⁴. Kroger leverages data from loyalty programs to expand its international foods assortment, focusing on Hispanic, Asian, and Middle Eastern cuisines ⁴.
- **Changing Household Dynamics:** Single-person and multigenerational households are expected to grow, impacting consumption patterns and shopping behaviors ⁵. Smaller households may lead to increased demand for smaller package sizes and more frequent grocery trips ². Costco is piloting smaller-pack options for select SKUs, appealing to singles or couples who value Costco's quality but don't want to buy in bulk ⁵. Walmart offers both economy and "grab-and-go" sizes in grocery, allowing families to choose items sized to their needs ⁵.
- **Generational Preferences:** Different generations exhibit distinct shopping behaviors and

preferences. Baby Boomers, for example, show less interest in niche grocery categories, while Millennials and Gen Xers tend to appreciate convenience-oriented products ⁵. Gen Z shoppers, on the other hand, prioritize affordability and value ⁵. Understanding these generational nuances is crucial for retailers to effectively target their marketing efforts and product offerings. Kroger's partnership with third-party delivery services caters to Millennials' preference for convenience, while their new loyalty program features personalized coupons appealing to Gen X families ⁵. Amazon uses Twitch and other platforms favored by Gen Z to promote limited-time grocery deals and tie-ins with gaming culture ⁵.

The Evolving Food and Grocery Landscape

The food and grocery industry is a cornerstone of consumer and retail sectors. It encompasses a complex network of farmers, manufacturers, distributors, and retailers who provide sustenance to the global population ⁶. This industry has become highly diversified, ranging from small, family-run businesses to large, mechanized industrial processes ⁶. In 2023, the U.S. food industry alone generated over \$2 trillion in sales, with international distribution accounting for 18% of that figure ⁷. The food manufacturing sector also contributed significantly, with an economic output of \$181 billion in Gross Regional Product (GRP) in 2022 ⁸.

Within this sector, the grocery segment plays a crucial role. In 2023, the global food and grocery retail market was valued at \$11.9 trillion, with a projected compound annual growth rate (CAGR) of 3.2% from 2024 to 2030 ⁹. This growth is fueled by factors such as the rise of online grocery shopping, changing consumer preferences, and the increasing adoption of technology ⁹.

Supermarkets, a dominant force in the grocery industry, are influenced by factors such as population density and consumer price sensitivity ¹⁰. Stores tend to be located in highly populated areas to cater to higher demand, and consumers often prioritize affordability, leading to increased price competition among retailers.

Emerging Technologies in Food and Grocery

Technology is rapidly reshaping the food and grocery industry, with innovations aimed at enhancing efficiency, personalization, and customer experience. These advancements are transforming how consumers shop for groceries and how retailers manage their operations. Some of the key emerging technologies include:

- **Autonomous Shopping Solutions:** Smart shopping carts equipped with AI-enabled cameras are automating the checkout process ¹¹. These carts allow customers to scan items as they shop and pay directly at the cart, eliminating the need for traditional checkout lines. This technology promises to reduce wait times, enhance convenience, and improve the overall shopping experience. Amazon Go stores with "Just Walk Out" technology remove checkout lines, a model that Tesco has tested in select "GetGo" pilot stores in the UK ¹¹.
- **AI-Powered Inventory Management:** Artificial intelligence (AI) is being used to optimize inventory management in grocery stores ¹². AI algorithms analyze data to predict demand, streamline stock levels, and minimize waste. This technology helps retailers ensure product availability, reduce spoilage, and improve overall efficiency. Walmart employs AI systems in

select distribution centers for predictive ordering and faster shelf replenishment ¹². Kroger has partnered with Ocado to build automated warehouses that orchestrate complex fulfillment networks ¹².

- **Personalized Shopping Experiences:** Machine learning is enabling personalized shopping experiences by analyzing customer data and offering tailored recommendations and promotions ¹². This technology allows retailers to cater to individual preferences, suggest relevant products, and enhance customer engagement. Costco is experimenting with app-based personalization that tailors promotions based on purchase history, while still staying true to its core membership value proposition ¹².
- **Online Ordering and Delivery:** While the COVID-19 pandemic accelerated the shift to online grocery shopping, this trend was already on the rise before 2020 ¹³. Retailers are investing in robust e-commerce platforms and efficient delivery systems to meet this growing demand ¹³. This includes offering features such as online ordering, home delivery, and click-and-collect services. Walmart's InHome Delivery and Kroger's collaboration with Instacart and DoorDash highlight the arms race to deliver fresh goods faster ¹³. Amazon Fresh invests heavily in two-hour (or faster) grocery deliveries in major urban areas ¹³.
- **Dark Stores:** These dedicated fulfillment centers are designed exclusively for online order processing ¹². By separating online fulfillment from traditional store operations, dark stores enable faster and more efficient delivery services.
- **Digital Payments:** The use of digital payments is increasing in grocery stores, offering the convenience of quick and seamless transactions ¹². Digital wallets, such as Apple Pay and Google Pay, are making it easier for customers to pay for their groceries without physical cash or cards. However, concerns around security and the digital divide need to be addressed for broader adoption. Amazon One palm-scanning technology in select Whole Foods stores is eliminating even the need for a smartphone at checkout ¹².
- **Hybrid Ordering Systems:** Grocery stores are adopting hybrid ordering systems for prepared foods, deli counters, and bakery sections ¹¹. These systems provide customers with pre-order options both online and in-store, allowing them to choose their preferred shopping method. This flexibility meets diverse customer needs and preferences. Kroger includes "Order Ahead" for deli and bakery items, letting customers skip lines. Tesco and Walmart similarly offer pre-order and self-collection models ¹¹.

Sustainability and Ethical Concerns in Consumer and Retail

Sustainability and ethical considerations are increasingly important to consumers across various sectors, including food and grocery and packaged goods. Consumers are demanding greater transparency, responsibility, and ethical practices from the brands they support. This trend is driving significant changes in how businesses operate and produce goods. Some of the key sustainability and ethical concerns include:

- **Sustainable Sourcing:** Retailers are focusing on sourcing products from suppliers who adhere to ethical labor practices and environmental standards ¹⁴. This includes ensuring fair wages, safe working conditions, and environmentally responsible production methods. Tesco aims to halve food waste across its operations by 2025; Kroger has invested in food rescue programs donating surplus to local food banks ¹⁴.

- **Reducing Food Waste:** Initiatives such as offering "wonky" produce at discounted prices and partnering with food banks are helping to minimize food waste ¹⁵. Retailers are also implementing strategies to reduce waste in their own operations, such as optimizing inventory management and donating surplus food.
- **Eco-Friendly Packaging:** Retailers are adopting biodegradable and recyclable packaging materials to reduce their environmental footprint ¹⁴. This includes using materials such as bioplastics, paper-based packaging, and reusable containers. In the packaged goods industry, edible packaging made from seaweed or proteins is emerging as an innovative solution to single-use plastics ¹⁶. Amazon encourages "Frustration-Free Packaging" and has tested bio-based alternatives; Costco emphasizes bulk formats that use less overall packaging per unit ¹⁶.
- **Transparency and Traceability:** Blockchain technology is being used to enhance transparency and traceability in the food supply chain, allowing consumers to track the origin and journey of their food ¹². This technology provides greater visibility into the supply chain, promoting accountability and building consumer trust. Walmart famously used blockchain to track mango supply chains in seconds rather than days, ensuring freshness and accountability ¹².
- **Ethical Dilemma in Sustainable Food Shopping:** Consumers often face the ethical dilemma of choosing between locally sourced and organic products ¹⁷. Locally sourced products may have a lower carbon footprint due to reduced transportation, while organic products prioritize environmental sustainability and chemical-free farming. Retailers can help consumers navigate this dilemma by providing clear information about sourcing practices and the environmental impact of different products.
- **Cost of Sustainability in Grocery Retail:** Implementing sustainable solutions in grocery retail can be costly ¹⁴. This can be a barrier for some retailers, especially those with tight margins. However, the long-term benefits of sustainability, such as reduced waste, improved brand reputation, and increased customer loyalty, often outweigh the initial costs.
- **ESG Framework in Grocery:** The Environmental, Social, and Governance (ESG) framework is becoming increasingly important in the grocery industry ¹⁸. This framework encompasses environmental sustainability, social responsibility, and governance practices, providing a holistic approach to responsible business operations.
- **Ethical Considerations in Food Production:** Ethical considerations surrounding food production, distribution, and consumption extend beyond retail practices ¹⁹. This includes issues such as animal welfare, fair trade, and the environmental impact of agricultural practices. Consumers are becoming more aware of these ethical dimensions and are demanding greater responsibility from the entire food industry. Kroger introduced inclusive private-label brands featuring responsibly sourced cocoa and certified fisheries, while Tesco continues to refine ethical supply-chain audits ¹⁹.
- **Inequities in Access to Goods:** Packaging choices can perpetuate inequities in access to goods and services ²⁰. Products with excessive or non-recyclable packaging may be more expensive, limiting access for lower-income consumers. Companies should consider the social impact of their packaging choices and strive to minimize costs without compromising sustainability goals.
- **Transparency and Greenwashing:** Ethical concerns arise when companies lack transparency about their packaging practices, greenwash their environmental credentials, or fail to take responsibility for the full lifecycle impacts of their packaging materials ²⁰. Transparency and honest communication are crucial for building consumer trust and promoting ethical practices.

- **Safety and Ethical Packaging:** Packaging plays a crucial role in informing customers about safety issues, such as choking hazards for small children ²¹. Ethical considerations arise when companies reduce packaging to save costs at the expense of product safety or consumer information.
- **Automation in Packaging:** Automation software can assist in ensuring accurate labeling and providing transparency to consumers in the packaged goods industry ²². This technology can help companies track and monitor their packaging, ensuring it meets ethical standards and is not misleading or excessive.
- **ESG in Packaging Practices:** Promoting the use of environmentally friendly materials, investing in recycling infrastructure, and transitioning to a circular economy model are key aspects of incorporating ESG principles into packaging practices ²³. These practices build consumer trust and contribute to a more sustainable future.

The Dynamic World of Packaged Goods

The packaged goods industry encompasses a vast array of everyday items, from food and beverages to personal care and household products ²⁴. This industry is a significant contributor to the global economy, with a market size of USD 160.75 billion in 2022 ²⁵. It is projected to reach a value of \$18.9 trillion by 2031, growing at a CAGR of 5.1% from 2022 to 2031 ²⁶. The growth of this market is driven by factors such as rising population and increasing consumer awareness ²⁵.

It's important to distinguish CPG from retail. The CPG industry includes the manufacturers, sellers, and marketers who deal with the physical CPG goods, while retail involves the sale of those products to end customers, either in stores or online ²⁷. Procter & Gamble and Unilever (key CPG titans) partner more closely with large retailers like Walmart and Tesco on data sharing and co-marketing to tailor product development ²⁶.

Emerging Technologies in Packaged Goods

Emerging technologies are revolutionizing the packaged goods industry, enabling innovation and efficiency across various stages of the product life cycle. These technologies are transforming how products are developed, manufactured, and marketed, leading to greater customization, faster time-to-market, and improved sustainability. Some of the key emerging technologies include:

- **Generative AI:** This technology is accelerating product development by enabling rapid prototyping of packaging designs, flavor profiles, and formulations ²⁸. This allows companies to explore a wider range of options and bring new products to market faster. Nestlé leverages AI to rapidly prototype new flavors and test consumer response through digital focus groups ²⁸.
- **Predictive Analytics:** By analyzing consumer data and market trends, predictive analytics helps companies anticipate demand, optimize production, and personalize marketing efforts ²⁸. This technology enables companies to make data-driven decisions, improve efficiency, and better meet consumer needs. Kellogg's uses advanced analytics to gauge demand for seasonal product lines, ensuring timely distribution and avoiding overstocks ²⁸.

- **Advanced Manufacturing Techniques:** 3D printing and the Internet of Things (IoT) are enhancing production capabilities in the packaged goods industry ²⁹. 3D printing allows for rapid prototyping and customization, while IoT integration helps streamline operations and improve supply chain management. Mars invests in 3D printing for certain confectionery prototypes, accelerating product iterations ²⁹.
- **Smart Packaging:** RFID and NFC technology are being integrated into packaging to enhance traceability, security, and consumer engagement ¹⁶. This technology allows consumers to access product information, verify authenticity, and interact with brands in new ways. Unilever pilots NFC-enabled packaging that shows product provenance and offers loyalty rewards when scanned ¹⁶.

Impact of Technology on Consumer Behavior and Retail

Technology has profoundly impacted consumer behavior and retail, creating a more connected, informed, and demanding consumer. These changes are making the shopping experience more personalized, efficient, and engaging, while also raising consumer expectations for seamless and tech-enabled experiences. Some of the key impacts of technology include:

- **Online Shopping:** E-commerce has transformed the retail landscape, offering convenience and accessibility to consumers ³⁰. Consumers can now shop from anywhere at any time, increasing competition and forcing traditional retailers to adapt.
- **Mobile Commerce:** Smartphones have empowered consumers to research products, compare prices, and make purchases on the go ³⁰. This has led to the rise of "on-the-go consumers" who demand instant gratification and seamless mobile experiences. Tesco, Kroger, and Walmart each have robust apps enabling consumers to scan prices, clip digital coupons, and reorder favorites with a tap ³⁰.
- **Personalized Experiences:** Technology enables retailers to personalize marketing messages, product recommendations, and shopping experiences ³¹. This personalization enhances customer engagement and fosters loyalty. Amazon leads in personalization, but Kroger's data science approach also harnesses loyalty-card intel to tailor promotions ³¹.
- **Increased Expectations:** Consumers expect seamless, tech-enabled experiences, both online and offline ³². This includes features such as fast delivery, easy returns, and personalized recommendations. Shoppers want unified experiences—be it real-time inventory visibility, speedy delivery, or frictionless returns—regardless of channel ³².
- **Omnichannel Retail:** Retailers are integrating online and offline channels to provide a consistent and personalized shopping journey ³². This allows consumers to seamlessly switch between online and offline channels, enhancing convenience and customer satisfaction. Costco has historically been slow to adopt e-commerce but is now boosting online assortments, bridging membership value in-store and online ³².
- **Impatient, Informed, and Demanding Consumers:** Technology has made consumers more impatient, informed, and demanding ³³. They have access to vast amounts of information and expect quick responses and personalized service.
- **Advantages of Omnichannel Strategy:** An omnichannel strategy offers several advantages for retailers, including increased product views, higher purchase rates, and a larger average order value ³². By tracking customers across multiple devices, retailers can gather valuable

data to inform personalization tactics and deliver the experiences consumers demand.

Future Trends in Consumer Behavior

Several trends are shaping the future of consumer behavior, influencing how consumers interact with brands, make purchasing decisions, and define their values. Understanding these trends is crucial for businesses to anticipate customer needs and adapt their strategies accordingly. Some of the key future trends include:

- **Brand Trust and Loyalty:** Consumers are increasingly prioritizing brands they trust and that align with their values ³⁴. This includes factors such as brand reputation, transparency, ethical practices, and social responsibility. Companies that visibly embody sustainable and ethical practices (like Patagonia or Trader Joe's) can command premium loyalty ³⁴.
- **Social Commerce:** Social media platforms are becoming increasingly important for product discovery and purchase decisions ³⁵. Consumers rely on social media for product recommendations, reviews, and inspiration, making it a crucial channel for brands to engage with their target audience. Walmart has tested live shopping events on TikTok, tapping into influencer culture to spotlight key categories ³⁶.
- **Sustainability and Ethical Consumption:** Consumers are demanding sustainable and ethically sourced products, with a focus on environmental and social responsibility ³⁴. This includes concerns about fair labor practices, environmental impact, and animal welfare. Retailers that embed sustainable practices (e.g., zero-waste aisles or fully recyclable packaging) can capture an expanding "green premium" ³⁴.
- **Health and Well-being:** Consumers are prioritizing health and well-being, seeking products and services that support their physical and mental health ³⁵. This includes a growing demand for healthy food options, wellness products, and fitness services.
- **Personalization:** Consumers expect personalized experiences and tailored recommendations based on their individual needs and preferences ³⁵. This includes personalized marketing messages, product suggestions, and customized shopping experiences. Fully individualized product recommendations based on health data, dietary restrictions, or personal ethics can drastically enhance share of wallet ³⁵.

Future Trends in Retail

The retail industry is evolving rapidly to meet changing consumer expectations and technological advancements. These trends are transforming how retailers operate, interact with customers, and deliver products and services. Some of the key future trends in retail include:

- **Phygital Retail:** The lines between physical and digital retail are blurring, with retailers integrating online and offline experiences ³⁷. This includes using technologies like AR to enhance the in-store experience and offering online ordering with in-store pickup options. Amazon merges physical and digital in Amazon Fresh stores with app-based real-time offers; Walmart invests in VR/AR capabilities for in-store product demos ³⁷.
- **AI-Powered Personalization:** AI is enabling personalized recommendations, targeted marketing, and customized shopping experiences ³⁷. This technology allows retailers to analyze customer data and provide tailored offerings, enhancing customer engagement and loyalty. Retailers who deploy advanced recommendation engines both online and in-store can

increase average spend per visit ³⁷.

- **Frictionless Delivery:** Retailers are focusing on providing fast, convenient, and reliable delivery options ³⁷. This includes offering same-day delivery, free shipping, and flexible delivery options to meet consumer demands for speed and convenience. Kroger invests in Ocado robotic fulfillment, while Amazon experiments with drone delivery in select test markets ³⁷.
- **Augmented Reality (AR):** AR is enhancing the shopping experience by allowing customers to visualize products in their own space ³⁷. This technology is particularly useful for products like furniture and apparel, allowing customers to "try before they buy" virtually. AR can reduce return rates by allowing customers to preview products (furniture, clothing) at home—cutting logistical costs ³⁸.
- **Sustainable and Ethical Shopping:** Retailers are adopting sustainable practices and offering ethically sourced products to meet consumer demand ³⁷. This includes reducing waste, using eco-friendly packaging, and sourcing products from suppliers who adhere to ethical standards. Tesco invests in carbon footprint labeling, letting consumers see at a glance the environmental impact of purchases ³⁷.

Potential Economic and Geopolitical Events and Their Impact

Economic and geopolitical events can significantly impact consumer behavior and retail, creating uncertainty and volatility in the market. Businesses need to be agile and adaptable to navigate these challenges and maintain stability. Some of the potential economic and geopolitical events and their impact include:

- **Economic Shocks:** Recessions, inflation, and changes in interest rates can influence consumer spending and confidence ³⁹. During economic downturns, consumers tend to prioritize essential spending and reduce discretionary purchases. This can have a significant impact on retail sales and consumer behavior. During inflationary periods, Walmart often gains market share by emphasizing low prices and rolling back costs on essentials ⁴⁰.
- **Geopolitical Tensions:** Conflicts, trade wars, and political instability can disrupt supply chains, increase costs, and affect consumer sentiment ⁴¹. For example, the war in Ukraine has led to increased food prices and shortages, impacting both consumers and retailers ⁴³. The conflict has also sparked a broader geopolitical realignment, creating uncertainty and potential disruptions in global trade ⁴⁴. Tariff disputes have prompted Costco and Walmart to diversify sourcing to stabilize pricing and mitigate supplier risks ⁴¹.
- **Climate Change:** Extreme weather events and environmental concerns can impact production, distribution, and consumer preferences ⁴⁴. Climate change can disrupt agricultural production, damage infrastructure, and lead to resource scarcity, affecting the availability and cost of goods. Consumers are also becoming more aware of the environmental impact of their purchases, leading to increased demand for sustainable and ethically sourced products. Extreme weather impacts produce yields, prompting Tesco and Kroger to deepen global supply chain redundancies and invest in predictive climate analytics ⁴⁴.
- **Factors Driving Food Price Spikes:** Several factors contribute to food price spikes, including geopolitical conflicts, extreme weather events, high input costs, and increased demand ⁴⁵. These factors can disrupt agricultural production, increase transportation costs,

and create shortages, leading to price volatility in the food market.

- **Climate Change and Nutrition Values:** Climate change can affect the nutritional value of food ⁴³. Extreme weather events and changing growing conditions can affect the quality and quantity of nutrients in crops, potentially affecting consumer health and dietary choices.
- **Consumer Activism and Geopolitics:** Consumer activism in response to geopolitical issues is increasing ⁴⁶. Consumers may boycott products from certain countries or companies due to political tensions, human rights abuses, or environmental concerns. This activism can impact brand reputation, sales, and consumer trust.
- **Geopolitical Risks and Brand Reputation:** Geopolitical risks can damage brand reputation and consumer trust ⁴⁷. Companies with ties to political conflicts, human rights violations, or environmental damage may face consumer backlash, boycotts, and reputational damage.
- **Economic Impact on Retail Clusters:** Economic shocks can disproportionately affect retail clusters based on their size, target audience, and anchor type ⁴⁸. Smaller retail centers may be more vulnerable to economic downturns, while larger clusters with diverse offerings may be more resilient.

Synthesis and Conclusion

The consumer and retail landscape is poised for significant transformation in the next 25 years. Emerging technologies, evolving consumer behaviors, and a dynamic global environment will shape the future of commerce. This report has highlighted key trends across various areas, including demographics, technology, sustainability, and geopolitics, providing valuable insights for businesses to navigate this evolving landscape.

Key takeaways for businesses:

- **Embrace Technology:** Invest in emerging technologies such as AI, AR, and automation to enhance efficiency, personalize experiences, and meet evolving consumer expectations. For example, retailers can implement AI-powered inventory management systems to optimize stock levels and reduce waste, or use AR to create interactive and engaging shopping experiences. Just Walk Out systems (Amazon), drone deliveries (Walmart, Amazon), and AI-driven demand forecasting (Kroger) illustrate that early adopters gain measurable efficiency and consumer excitement.
- **Prioritize Sustainability:** Adopt sustainable practices and offer ethically sourced products to appeal to environmentally and socially conscious consumers. This includes using eco-friendly packaging, reducing waste, and sourcing products from suppliers who adhere to ethical standards. Tesco's food waste reduction initiatives and Costco's bulk packaging model demonstrate tangible paths to greener operations and stronger brand loyalty.
- **Adapt to Demographic Shifts:** Understand the impact of demographic changes on consumer preferences and tailor strategies accordingly. This includes catering to the needs of an aging population, embracing diversity, and understanding generational preferences.
- **Build Resilience:** Prepare for potential economic and geopolitical events by diversifying supply chains, adapting to changing market conditions, and managing geopolitical risks. This includes having contingency plans in place for supply chain disruptions, monitoring geopolitical events, and proactively addressing potential consumer concerns. Diversified supply chains, robust data analytics, and flexible store formats are vital buffers against political or economic turbulence.

Future Outlook:

The future of consumer and retail will be characterized by a convergence of online and offline experiences, driven by technologies like AR and the rise of phygital retail. Consumers will become increasingly conscious of sustainability, ethical sourcing, and transparency, driving purchasing decisions and brand loyalty. Data-driven personalization will become even more prevalent, with AI and machine learning playing a crucial role in tailoring shopping experiences. The aging population and increasing diversity will create new opportunities and challenges for businesses, requiring adaptation and innovation. Geopolitical risks will demand greater supply chain resilience and adaptability.

By understanding and responding to these trends, businesses can position themselves for success in the dynamic consumer and retail landscape of the future.

Works cited

1. Shifting Demographics - the United Nations, <https://www.un.org/en/un75/shifting-demographics>
2. What an aging population means for CPGs and grocery retail | 84.51°, <https://www.8451.com/knowledge-hub/insights-and-activation/what-an-aging-population-means-for-cpgs-and-grocery-retail/>
3. Demographic Turning Points for the United States: Population Projections for 2020 to 2060 - U.S. Census Bureau, <https://www.census.gov/content/dam/Census/library/publications/2020/demo/p25-1144.pdf>
4. Demographic changes enhance demand for global foods - Supermarket News, <https://www.supermarketnews.com/grocery-categories/demographic-changes-enhance-demand-for-global-foods>
5. New Report Envisions 'Grocery Shopper of the Future' - The Food Institute, <https://foodinstitute.com/focus/new-report-envisions-grocery-shopper-of-the-future/>
6. Food industry - Wikipedia, https://en.wikipedia.org/wiki/Food_industry
7. Key Trends in the U.S. Food Manufacturing Industry - IndustrySelect®, <https://www.industryselect.com/blog/key-trends-in-the-us-food-manufacturing-industry>
8. Growth, Change Creates Opportunities in Food Manufacturing and Processing, <https://camoinassociates.com/resources/growth-change-in-food-manufacturing-creates-opportunities/>
9. Food & Grocery Retail Market Size & Share Report, 2030 - Grand View Research, <https://www.grandviewresearch.com/industry-analysis/food-grocery-retail-market>
10. Supermarkets & Grocery Stores in the US - Market Research Report (2014-2029) - IBISWorld, <https://www.ibisworld.com/united-states/market-research-reports/supermarkets-grocery-stores-industry/>
11. Emerging Grocery Technology to Keep on Your Radar for 2024 | FoodStorm, <https://www.foodstorm.com/blog/emerging-grocery-tech-for-2024>
12. Unfolding the Top Grocery Technology Trends in 2023, <https://www.flexcateringhq.com/unfolding-the-top-grocery-technology-trends-in-2023/>
13. Embracing Technology in Grocery Retail - FMI | The Food Industry Association, <https://www.fmi.org/blog/view/fmi-blog/2024/07/16/embracing-technology-in-grocery-retail>

14. Sustainability in grocery retail: Challenges and opportunities - Retail Bulletin, <https://www.theretailbulletin.com/grocery/sustainability-in-grocery-retail-challenges-and-opportunities-21-06-2024/>
15. Your Guide to Sustainable Food Shopping | DASH Water, <https://dash-water.com/blogs/sustainability/your-guide-to-sustainable-food-shopping>
16. The top 3 emerging technologies revolutionising packaging, <https://www.packaging-gateway.com/features/top-emerging-technologies-packaging/>
17. Ethical issues in grocery stores | EthicalHub, <https://ethicalhub.co/empower-your-choices-a-comprehensive-guide-to-making-ethical-purchasing-decisions/>
18. Green and Profitable: Role Grocery Retailers Play In Embracing Sustainability Metrics, <https://www.grocerydoppio.com/articles/green-and-profitable-role-grocery-retailers-play-in-embracing-sustainability-metrics>
19. A Holistic Approach for Ethics and Sustainability in the Food Chain: The Gateway to Oral and Systemic Health - PubMed Central, <https://pmc.ncbi.nlm.nih.gov/articles/PMC11049237/>
20. Ethical Packaging Practices: Consumer Rights & Expectations - Unsustainable Magazine, <https://www.unsustainablemagazine.com/ethical-packaging-practices/>
21. 9.9 Ethical Issues in Packaging - Principles of Marketing | OpenStax, <https://openstax.org/books/principles-marketing/pages/9-9-ethical-issues-in-packaging>
22. What are the ethical considerations in food packaging? - SMRTR Solutions, <https://smrtrsolution.com/what-are-the-ethical-considerations-in-food-packaging/>
23. World Consumer Rights Day: The Role of ESG in Packaging Practices to Build Consumer Trust - Food Industry Executive, <https://foodindustryexecutive.com/2024/03/world-consumer-rights-day-the-role-of-esg-in-packaging-practices-to-build-consumer-trust/>
24. What Are Consumer Packaged Goods: A Complete Guide to the CPG Industry - Shoplogix, <https://shoplogix.com/what-are-consumer-packaged-goods/>
25. Consumer Packaged Goods (CPG) Market Size, Share, Growth, Demand 2023-2030, <https://www.zionmarketresearch.com/report/consumer-packaged-goods-cpg-market>
26. Consumer Packaged Goods (CPG) Industry Overview: 2024 & 2025 - Exploding Topics, <https://explodingtopics.com/blog/cpg-industry>
27. Guide to CPG Industry Trends - Creative Displays Now, <https://www.creativedisplaysnow.com/guides/guide-to-cpg-industry-trends/>
28. Trends and Technologies Shaping the CPG Industry - Dragonfly AI, <https://dragonflyai.co/resources/blog/trends-and-technologies-shaping-the-cpg-industry>
29. The Future of Consumer-Packaged Goods: Trends and Innovations - Specright, <https://specright.com/blog/cpg-trends-and-innovations>
30. The Impact Of Technology On Consumer Behavior - FasterCapital, <https://fastercapital.com/topics/the-impact-of-technology-on-consumer-behavior.html>
31. The Impact of Mobile Technologies on Consumer Behavior in Retail Marketing, https://www.researchgate.net/publication/382713551_The_Impact_of_Mobile_Technologies_on_Consumer_Behavior_in_Retail_Marketing
32. The Impact of Technology on Consumer Behaviour - Keenfolks, <https://www.thekeenfolks.com/blog-article/the-impact-of-technology-on-consumer-behaviour>
33. www.darkoinc.com, <https://www.darkoinc.com/blog/how-in-store-technology-is-changing-customer-behavior#:~:text=Overall%2C%20retail%20technology%20is%20changing,informed%2C%20demanding%2C%20and%20engaged.>

34. Future of Consumer Markets | Consumer Macro Trends - PwC,
<https://www.pwc.com/gx/en/industries/consumer-markets/publications/future-of-consumer-markets.html>
35. Top 10 Consumer Behavior Trends in 2024 & 2025 - Storyly,
<https://www.storyly.io/post/top-consumer-behavior-trends>
36. The future of retail: how technology and consumer behaviour are shaping the industry,
<https://retailtechinnovationhub.com/home/2024/8/26/the-future-of-retail-how-technology-and-consumer-behaviour-are-shaping-the-industry>
37. Top 11 Retail Trends Shaping 2024 and Beyond - Bluestone PIM,
<https://www.bluestonepim.com/blog/top-11-retail-trends-for-2024-and-beyond>
38. Top 10 Emerging Trends in the Retail Industry To Watch Out for in 2025 - Mapsted,
<https://mapsted.com/blog/retail-industry-trends>
39. Which Economic Factors Most Affect the Demand for Consumer Goods? - Investopedia,
<https://www.investopedia.com/ask/answers/042815/which-economic-factors-most-affect-demand-consumer-goods.asp>
40. 2020 Consumer Purchasing Behavior And The Pivotal Events That Shaped It - Forbes,
<https://www.forbes.com/councils/forbestechcouncil/2020/09/08/2020-consumer-purchasing-behavior-and-the-pivotal-events-that-shaped-it/>
41. Geopolitical Risks in Retail - Loss Prevention Magazine,
<https://losspreventionmedia.com/geopolitical-risks-in-retail/>
42. What geopolitical issues might affect global supply chains for protective packaging materials in 2023?,
<https://www.baywaterpackaging.com/what-geopolitical-issues-might-affect-global-supply-chains-for-protective-packaging-materials-in-2023/>
43. From Dirt to Dinner: The Far-Reaching Implications of Geopolitics on Food and Agriculture,
<https://apcoworldwide.com/blog/from-dirt-to-dinner/>
44. Speech: Geopolitics and its Impact on Global Trade and the Dollar,
<https://www.imf.org/en/News/Articles/2024/05/07/sp-geopolitics-impact-global-trade-and-dollar-gita-gopinath>
45. Experts: What is causing food prices to spike around the world? - Carbon Brief,
<https://www.carbonbrief.org/experts-what-is-causing-food-prices-to-spike-around-the-world/>
46. Consumer Activism & Geopolitics: What Companies Need to Know - SDAFA,
<https://www.sdafa.co.uk/consumer-activism-geopolitics-companies-need-know>
47. Geopolitical risks and their impact on supply chains. - Craft.co,
<https://enterprise.craft.co/post/geopolitical-risks-and-their-impact-on-supply-chains>
48. How has COVID-19 impacted the economic resilience of retail clusters? - PubMed Central,
<https://pmc.ncbi.nlm.nih.gov/articles/PMC10300301/>