

Chapter 10: Omnichannel Consumer Behaviour in the Digital Ecosystem

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Omnichannel consumer behaviour refers to the way in which consumers interact with various channels, both digital and physical, during their shopping journey. This behaviour is influenced by factors such as technology acceptance, purchase intention, customer experience, and trust (Ayensa et al., 2016; Riaz et al., 2021; Le & Nguyen-Le, 2020; Sombultawee & Wattanatorn, 2022). Omnichannel consumer behaviour represents a fundamental shift in the way consumers interact with brands in the digital age. At its core, omnichannel behaviour encompasses the seamless integration of online and offline channels throughout the entire customer journey. Gone are the days of viewing these channels as distinct entities; instead, consumers expect a unified experience regardless of whether they are engaging with a brand through a website, mobile app, social media platform, or brick-and-mortar store. This holistic approach recognizes that modern consumers are not confined to a single channel but rather fluidly navigate between various touchpoints to research, browse, purchase, and seek support. Omnichannel consumer behaviour is the concept of channel agnosticism. Unlike traditional multichannel approaches, which focus on delivering consistent messaging across different channels, omnichannel strategies prioritize flexibility and adaptability. Consumers may begin their journey on one channel, such as browsing products on a mobile app, continue on another, like researching reviews on a website, and ultimately make a purchase in-store. The key is to ensure a seamless transition between channels, allowing consumers to pick up where they left off without friction or interruption.

Consumers engaging in omnichannel behaviour expect a seamless and consistent experience across different channels, requiring companies to integrate processes and information systems to provide a unified experience (Lehrer & Trenz, 2022; Permana & Gan, 2022). The concept of omnichannel involves the integration of store, online, and mobile channels to cater to consumer needs and offer a cohesive buying experience (Liu & Xu, 2020). Research has shown that consumer motivations for adopting omnichannel retailing can be driven by factors such as safety concerns, product involvement, and empowerment (Loureiro & Ramadan, 2022; Lu et al., 2022; Geng & Chang, 2022). Additionally, factors like utilitarian value, product involvement, and consumer empowerment play a role in shaping consumers' continuance intention in omnichannel settings (Geng & Chang, 2022). Understanding consumer behaviour in omnichannel retailing is crucial for businesses, as it impacts purchase intention and overall customer experience (Sombultawee & Wattanatorn, 2022; Riaz et al., 2021). Omnichannel behaviour is characterized by a personalized and context-aware approach to engagement. Brands leverage data analytics and customer insights to tailor interactions based on individual preferences, behaviours, and past interactions. This personalization extends beyond merely addressing customers by name; it involves anticipating their needs, recommending relevant products or services, and providing timely assistance at each stage of the journey. By delivering relevant and timely experiences, brands can enhance customer satisfaction, foster loyalty, and drive repeat business. Omnichannel shopping behaviours encompass consumers' willingness to engage in omnichannel shopping and make purchases through various channels (Ryu et al., 2023). The seamless switching among channels and devices, including desktops, laptops, and mobile devices, allows consumers to have full interaction and a holistic shopping experience (Kang, 2019). Companies can enhance consumers' behavioural responses and engagement by



developing a comprehensive omnichannel experience that aligns with consumer preferences and values (Lorenzo-Romero et al., 2020).

The digital ecosystem represents the interconnected network of digital platforms, channels, devices, and technologies that shape modern consumer behaviour and interactions. At its core, the digital ecosystem encompasses the entirety of online environments where individuals engage with content, products, services, and other users. This ecosystem is dynamic and constantly evolving, driven by technological advancements, changing consumer preferences, and innovative business strategies. These ecosystems consist of multiple interdependent sub-ecosystems, including the business ecosystem, consumer ecosystem, talent and innovation ecosystem, and digital platforms and communications ecosystem (Aminullah et al, 2022). Information technology plays a crucial role in digitally enabled service innovation, acting as both an operand and operant resource (Lusch & Nambisan, 2015). Central to the digital ecosystem is the internet, serving as the foundation upon which various digital components operate and communicate. The internet facilitates seamless connectivity between individuals, businesses, and devices across the globe, enabling the exchange of information, transactions, and experiences in real-time. With the proliferation of internet-enabled devices such as smartphones, tablets, and wearables, access to the digital ecosystem has become ubiquitous, blurring the boundaries between online and offline environments. Digital ecosystems challenge established firms by introducing new integrated value propositions that may conflict with existing product-centric business models (Stonig et al., 2022). E-commerce is another cornerstone of the digital ecosystem, revolutionizing the way consumers shop and transact online. Online marketplaces, retail websites, and mobile apps offer consumers unprecedented convenience and choice, allowing them to browse, purchase, and receive



products with ease. The rise of e-commerce giants like Amazon, Alibaba, and eBay has reshaped traditional retail landscapes, driving innovation and competition within the digital marketplace. Cross-border e-commerce platforms serve as bridges between different ecosystems, facilitating transnational digital entrepreneurship (Duan et al., 2021). Value creation in digital innovation ecosystems is driven by interactions among consumer and professional stakeholders, highlighting the importance of collaborative networks in generating value (Suseno et al., 2018). Digital business ecosystems, characterized by collaborative value creation networks, are reshaping traditional business models and value creation processes (Senyo et al., 2019). Participants in digital ecosystems interact within an environment that fosters information exchange, software development, and the evolution of digital components (Krasnyuk et al., 2021). Data and analytics are essential drivers of the digital ecosystem, enabling businesses to gain valuable insights into consumer behaviour, preferences, and trends. Through the collection and analysis of data from various sources, including websites, mobile apps, and social media, and transactional records, businesses can optimize their marketing strategies, personalize customer experiences, and make data-driven decisions. However, data privacy and security concerns remain significant challenges within the digital ecosystem, prompting ongoing debates and regulatory efforts to safeguard consumer information. The dynamics of digital entrepreneurship are closely intertwined with innovation ecosystems, emphasizing the collaborative relationships and contributions of key actors in driving digital economic growth (Beliaeva et al., 2019).

Evolution of Consumer Behaviour Theories

The evolution of consumer behaviour theories is a fascinating journey that mirrors the changing dynamics of markets and society. At its core, consumer



behaviour theory seeks to understand how individuals make decisions regarding the acquisition, consumption, and disposition of goods and services. One of the earliest frameworks in consumer behaviour theory is the Economic Man model, rooted in classical economics. This model posits that consumers are rational actors who make decisions based on maximizing utility and minimizing costs (Adamus, M, 2017). However, as researchers delved deeper into the complexities of human decision-making, it became apparent that consumers are influenced by a myriad of factors beyond purely economic considerations. The advent of behavioural economics challenged the assumptions of rationality inherent in the Economic Man model (Morgan, M. S, 2006). Behavioural economists such as Daniel Kahneman and Amos Tversky demonstrated that individuals often make decisions based on heuristics and biases, rather than purely logical calculations. This shift in perspective paved the way for a more nuanced understanding of consumer behaviour, acknowledging the role of emotions, social influences, and cognitive biases in decision-making processes(Adams, J., Greig, M., & McQuaid, R. W, 2000). As technology began to permeate every aspect of modern life, the traditional boundaries between online and offline channels blurred, giving rise to the concept of omnichannel consumer behaviour. Unlike the siloed approach of multichannel marketing, which treats each channel as a separate entity, the omnichannel approach recognizes the interconnectedness of various touchpoints in the consumer journey.

Models of Omnichannel Consumer Behaviour

In the realm of omnichannel consumer behaviour, various models have been proposed to elucidate the complex dynamics of consumer interactions across multiple channels and touchpoints. These models provide valuable frameworks for understanding the cognitive processes, decision-making mechanisms, and behavioural patterns that underlie omnichannel engagement. Let's delve into three key models:



Multichannel vs. Omnichannel Models

Multichannel Model: Multichannel strategies involve retailers adding new channels to interact with customers, which can lead to both cannibalization and complementary effects (Du et al., 2023). In the multichannel model, each channel (e.g., online, offline, mobile) operates independently, with little integration or coordination between them. Consumers may interact with a brand through different channels, but there is limited continuity or seamlessness in their experience. Multichannel strategies focus on managing marketing communications across different channels based on customer differentiation (Thomas & Sullivan, 2005). This fragmented approach can lead to inconsistencies in messaging, branding, and customer service, resulting in a disjointed customer experience.

Omnichannel Model: omnichannel strategies aim for a seamless integration of all channels to provide a consistent customer experience throughout the purchasing lifecycle (Sherovska & Petrovska, 2021). The omnichannel model emphasizes the integration and synchronization of all channels to provide a seamless and cohesive experience for consumers. In an omnichannel strategy, channels are interconnected, allowing for smooth transitions and continuity throughout the customer journey. It approaches emphasize the importance of integrating marketing channels to target specific markets effectively (Amirullah & Aruan, 2019). Whether a consumer engages with a brand online, in-store, or via mobile, they experience a consistent and personalized interaction that reflects their preferences and behaviours. Omnichannel practices have been associated with value creation for multi-actor customers, emphasizing the evolutionary nature of such approaches in the global market (Climent et al., 2021).



Customer Journey Mapping

Customer journey mapping (CJM) is a valuable technique used in various industries to understand and enhance the customer experience. It involves documenting and analyzing a customer's interactions, emotions, and touchpoints with a product or service to improve overall satisfaction (Ayutthaya & Koomsap, 2018). By mapping out the customer journey, marketers can gain insights into the key interactions, decision points, and pain points that consumers encounter along the way. This holistic view enables marketers to identify opportunities for optimization, personalization, and intervention to enhance the overall customer experience. CJM serves as a tool to synthesize user research insights and effectively communicate them to stakeholders, fostering empathy towards users (Lallemand et al., 2022). For example: A retailer may use customer journey mapping to track how consumers research products online, visit physical stores to try them out, and ultimately make a purchase either online or in-store. By understanding the sequence of touchpoints and the factors that influence purchase decisions, the retailer can tailor its marketing strategies and service offerings to better meet consumer needs at each stage of the journey.

Technology Adoption Models (e.g., TAM, UTAUT):

Technology adoption models, such as the Technology Acceptance Model (TAM) and the Unified Theory of Acceptance and Use of Technology (UTAUT), play a crucial role in understanding and predicting the acceptance and usage of technology across various domains. The TAM emphasizes perceived usefulness and perceived ease of use as key determinants of technology adoption Brasier & Wan (2010). On the other hand, the UTAUT integrates multiple theories, including the TAM, to provide a comprehensive framework for measuring IT adoption (Fuad & Hsu, 2018). These models examine users' perceptions of the usefulness, ease of use, social influence, and facilitating conditions associated



with technology adoption. For example: A mobile banking app may leverage technology adoption models to understand why some users embrace the app as their primary banking channel, while others prefer traditional branches or online banking platforms. By identifying the drivers and barriers to adoption, the bank can design targeted interventions to encourage greater usage of the mobile app and promote seamless transitions between digital and offline channels. The TAM posits that users' behavioural intentions to use a particular technology are determined by two primary factors: perceived usefulness (PU) and perceived ease of use (PEOU). Perceived usefulness refers to the degree to which a user believes that a technology will enhance their job performance or productivity. Perceived ease of use, on the other hand, refers to the extent to which a user perceives a technology as being free from effort or complexity. According to the TAM, users are more likely to adopt a technology if they perceive it to be useful in achieving their goals and if they find it easy to use (Brasier, A. R. and Wan, G, 2010). These perceptions, in turn, are influenced by various external factors such as social norms, organizational support, and individual differences. For example, a technology that is widely used and supported within an organization is likely to be perceived as more useful and easier to use by its employees. The TAM has been widely applied in research and practice to understand the adoption and usage of a wide range of technologies, including software applications, mobile devices, e-commerce platforms, and social media. Researchers have extended the basic TAM model to incorporate additional variables and moderators that influence users' acceptance behaviour, such as perceived enjoyment, subjective norms, and compatibility with existing systems.

The UTAUT identifies four key constructs that directly influence users' behavioural intentions and usage behaviour (Ningsih, S. K., Habibi, A., & Sofwan,



M, 2023). It includes Performance Expectancy (PE): This construct reflects the extent to which users believe that using a particular technology will help them perform their tasks more effectively or efficiently. It encompasses perceptions of the technology's usefulness and the expected benefits it will provide. Effort Expectancy (EE): Effort expectancy refers to the degree of ease associated with using the technology. It captures users' perceptions of the complexity, simplicity, and ease of learning associated with the technology. Social Influence (SI): Social influence refers to the influence of social factors such as norms, opinions, and recommendations from others on users' intentions to use a technology. It encompasses subjective norms and the perceived pressure to adopt the technology from important others, such as peers, supervisors, or influential stakeholders. Facilitating Conditions (FC): Facilitating conditions refer to the extent to which users perceive that the organizational and technical infrastructure supports and enables the use of the technology. This includes factors such as access to training and support resources, compatibility with existing systems, and technical support availability.

Enhancing Offline Interactions with Online Insights

At the heart of seamless channel integration lies the notion of providing customers with consistent experiences across all channels. Consistency not only builds trust and credibility but also enhances brand recognition and loyalty (Neslin, S. A, 2022). When consumers encounter a brand message or experience that is consistent regardless of the channel, they are more likely to develop a sense of familiarity and affinity towards the brand. This consistency extends beyond visual elements such as branding and design; it encompasses factors such as pricing, product availability, and customer service standards. By ensuring consistency across channels, businesses can create a unified brand identity and reinforce their value proposition in the minds of consumers. A



compelling example of seamless channel integration can be found in Starbucks' Mobile Order & Pay system. Through this innovative technology, Starbucks has seamlessly integrated its online and offline channels to enhance the customer experience. Customers can place orders and make payments using the Starbucks mobile app, allowing for a convenient and efficient ordering process. Upon arrival at the store, customers can simply pick up their orders without waiting in line, further streamlining the transaction process. This integration not only caters to the preferences of digitally savvy consumers but also enhances the overall efficiency and convenience of the Starbucks experience (Tyrväinen, O., & Karjaluoto, H, 2019). By leveraging technology to bridge the gap between online and offline channels, Starbucks has successfully created a seamless Omni-channel experience that resonates with modern consumers. However, achieving seamless channel integration is not without its challenges. One of the primary obstacles is the complexity of managing multiple channels and ensuring they operate in harmony. This requires robust technological infrastructure capable of syncing data and interactions across various touchpoints. Moreover, maintaining consistency across channels can be challenging, particularly for large organizations with diverse offerings and geographical presence. Achieving consistency requires effective communication and coordination across departments and regions to ensure that brand standards are upheld across all channels. Despite these challenges, the benefits of seamless channel integration are immense (Lee, S. Y., Son, Y., & Oh, W, 2021). Businesses that successfully integrate their online and offline channels stand to gain a competitive edge in today's digital landscape. By providing customers with cohesive and personalized experiences, businesses can enhance customer satisfaction, drive repeat purchases, and foster long-term loyalty. As consumer expectations continue to evolve, businesses must adapt by embracing Omni-channel strategies that prioritize seamlessness, consistency, and customer-centricity. In



doing so, they can unlock new opportunities for growth and differentiation in the digital ecosystem. The table 1 illustrates various online and offline channels commonly utilized by brands for consumer engagement. Each channel is paired with corresponding integration strategies aimed at bridging the gap between digital and physical touchpoints. Case studies highlight successful implementations of these strategies in real-world scenarios, showcasing the effectiveness of omnichannel approaches.

Table: 9-3 Integration of Online and Offline Channels

Online Channels	Offline Channels	Integration Strategies	Case Study
E-commerce websites	Brick-and-mortar stores	Click-and-collect services	Walmart's Online Grocery Pickup
Social media platforms	Physical retail locations	In-store digital displays	Burberry's Digital Retail Theater
Mobile apps	Pop-up shops	QR code scanning for product information	Adidas' Tango app for in-store experiences
Email marketing	Events and Experiential Marketing	Event-specific promotions	Apple's Today at Apple sessions

Personalized Customer Journeys

Understanding and catering to customer needs and preferences are paramount for businesses striving to create personalized customer journeys. This involves delving deep into the psyche of consumers to uncover their motivations, desires, and pain points (Valdez Mendia, J. M., 2022). By gaining insights into what makes their target audience tick, businesses can tailor their offerings and communication strategies to resonate more effectively with customers. Central to understanding customer needs and preferences is the concept of empathy. Businesses must put themselves in the shoes of their customers, seeking to understand their aspirations, challenges, and preferences. This requires robust market research, customer surveys, and data analytics to gather qualitative and

quantitative insights into consumer behaviour. By adopting a customer-centric approach, businesses can identify key trends and patterns that inform their decision-making processes. Data-driven personalization strategies play a pivotal role in shaping personalized customer journeys. Leveraging the vast amounts of data available to them, businesses can segment their audience based on various demographics, behaviours, and preferences (Bernstein, F., Modaresi, S., & Sauré, D, 2019). This segmentation allows businesses to target specific customer segments with tailored messaging and offerings, increasing the relevance and effectiveness of their marketing efforts. One notable case study illustrating the power of data-driven personalization is Amazon's recommendation engine. Through sophisticated algorithms and machine learning techniques, Amazon analyzes vast amounts of data, including past purchases, browsing history, and demographic information, to provide personalized product recommendations to its customers. By presenting users with products that align with their interests and preferences, Amazon enhances the overall shopping experience, driving engagement and conversion rates. Furthermore, Amazon's recommendation engine goes beyond simply suggesting products based on previous purchases. It also incorporates social proof and user-generated content, such as ratings and reviews, to further personalize recommendations. This social aspect not only adds credibility to the recommendations but also fosters a sense of community and trust among users. The success of Amazon's recommendation engine underscores the importance of leveraging data to personalize customer experiences. By harnessing the power of artificial intelligence and machine learning, businesses can create highly targeted and relevant experiences that resonate with customers on a deeper level. However, it's essential to strike a balance between personalization and privacy, ensuring that customers feel comfortable sharing their data while also respecting their privacy rights.



Multichannel marketing entails the use of multiple channels – both online and offline – to reach and engage target audiences. This approach recognizes the diverse preferences and behaviours of consumers, acknowledging that no single channel can effectively capture the attention of all individuals (Weinberg, B. D., Parise, S., & Guinan, P. J., 2007). In understanding the essence of multichannel marketing, it's crucial to grasp its significance within the broader marketing framework. Unlike traditional single-channel approaches, multichannel marketing operates on the principle of ubiquity, ensuring that brands are present where their customers are. This means leveraging various platforms such as social media, email, websites, physical stores, and mobile applications to create a cohesive brand experience. Cross-channel promotion and communication form the backbone of successful multichannel marketing endeavors. This involves orchestrating synchronized messaging and campaigns across different channels, ensuring consistency in branding and communication (Wirtz, B. W, 2008). By integrating messaging seamlessly across channels, brands can reinforce their value proposition and cultivate a unified brand identity, thereby enhancing brand recall and customer loyalty. A compelling case study exemplifying the efficacy of multichannel marketing is Nike's iconic "Just Do It" campaign. Launched in 1988, this campaign not only revitalized the Nike brand but also set a benchmark for multichannel marketing excellence. Leveraging a combination of television commercials, print ads, and celebrity endorsements, Nike effectively penetrated various consumer segments while conveying a powerful and inspirational message of empowerment. Nike's "Just Do It" campaign extended beyond traditional media channels to embrace emerging digital platforms. Recognizing the growing influence of online channels, Nike capitalized on digital marketing strategies to engage consumers in interactive and immersive ways. Through social media platforms, Nike encouraged user-generated content, fostering a sense of community and



empowerment among its audience. Furthermore, Nike's integration of e-commerce into its multichannel marketing strategy has been instrumental in driving sales and enhancing customer experience. By offering a seamless transition from online browsing to in-store purchases and vice versa, Nike has optimized convenience and accessibility for its customers, thereby strengthening its competitive edge in the market (Angioni, E., Cabiddu, F., & Di Guardo, M. C., 2012).

Consumer Engagement across Touchpoints

At the heart of consumer engagement lies the recognition of the purchase journey as a dynamic and multifaceted process. From initial awareness to post-purchase support, consumers interact with brands across various touchpoints, both online and offline. Each interaction presents an opportunity for brands to deepen their relationship with consumers, build trust, and ultimately drive loyalty. Therefore, understanding the importance of engagement throughout this journey is paramount for marketers aiming to create meaningful connections with their target audience (Manser Payne, E., Peltier, J. W., & Barger, V. A., 2017). One key channel for consumer engagement is social media. With billions of users worldwide, platforms like Facebook, Instagram, and Twitter have become indispensable tools for brands to engage with their audience in real-time. By leveraging social media, brands can initiate conversations, share relevant content, and respond to customer inquiries and feedback promptly. Moreover, social media offers a unique opportunity for brands to humanize their image and showcase their personality, fostering a sense of authenticity and relatability among consumers (Demmers, J., Weltevreden, J. W., & van Dolen, W. M., 2020). A compelling example that illustrates the effective use of social media for consumer engagement is Sephora's Beauty Insider Program. Sephora, a leading beauty retailer, has successfully capitalized on the power of social media to

cultivate a community of loyal customers. Through its Beauty Insider Program, Sephora incentivizes customers to engage with the brand both online and offline. Members earn points for every purchase, which can be redeemed for rewards such as exclusive products, discounts, and beauty experiences. Additionally, Sephora regularly shares user-generated content, beauty tips, and tutorials on its social media channels, encouraging followers to actively participate in the conversation. By fostering a sense of community and empowerment, Sephora has transformed its Beauty Insider Program into more than just a loyalty program – it has become a platform for self-expression and connection within the beauty community. This approach not only drives customer engagement but also strengthens brand loyalty and advocacy among Sephora's diverse customer base.

Omnichannel consumer behaviour within the digital ecosystem is not without its challenges and opportunities. These factors shape the strategies and decisions of marketers as they strive to create seamless and engaging experiences for consumers across various touchpoints (Cui, T. H., Ghose, A, 2021). One significant challenge that marketers face is the ever-growing concern over data privacy and security. With the proliferation of digital channels and the collection of vast amounts of consumer data, ensuring the protection of personal information has become paramount. Consumers are increasingly aware of the risks associated with sharing their data online, and any breach of trust can severely damage brand reputation (Yang, Z., & Hu, D, 2024). Therefore, marketers must implement robust data privacy policies and security measures to safeguard consumer information. This includes transparent communication about data collection practices and providing options for consumers to control their privacy settings. In addition to data privacy concerns, marketers also grapple with the complexities of technology integration. As the number of digital



platforms and devices continues to expand, achieving seamless integration across channels becomes increasingly challenging. Legacy systems may not be compatible with emerging technologies, leading to fragmentation and inconsistency in the consumer experience. Furthermore, the pace of technological innovation means that marketers must constantly adapt and evolve their systems to keep pace with changing consumer preferences and behaviours. This requires substantial investment in technology infrastructure and ongoing training for employees to ensure they have the skills necessary to leverage new tools effectively. Despite these challenges, there are also numerous opportunities for innovation and improvement in omnichannel marketing strategies. One such opportunity lies in the ability to leverage data analytics and artificial intelligence to gain deeper insights into consumer behaviour. By analyzing vast amounts of data from various touchpoints, marketers can identify patterns and trends that inform more targeted and personalized marketing efforts. This allows for the delivery of tailored content and offers that resonate with individual consumers, ultimately driving engagement and conversion rates (Rey-García, M., Otero, A. R., & Mato-Santiso, V, 2018). Furthermore, advancements in technology offer new possibilities for enhancing the omnichannel experience. For example, augmented reality (AR) and virtual reality (VR) technologies can be used to create immersive shopping experiences that blur the lines between online and offline channels. Similarly, the Internet of Things (IoT) enables seamless connectivity between devices, allowing for more personalized and contextualized interactions with consumers. By embracing these technologies, marketers can create unique and memorable experiences that differentiate their brand from competitors and drive customer loyalty.

The exploration of omnichannel consumer behaviour in the digital ecosystem unveils a dynamic landscape where the fusion of online and offline channels is



reshaping the way consumers interact with brands. Through this chapter, we have delved into the intricacies of omnichannel marketing, elucidating the importance of understanding consumer behaviour across various touchpoints and channels. One of the key findings of this research is the paramount significance of seamless channel integration (Nguyen, A., McClelland, R., Hoang Thuan, N., & Hoang, T. G, 2022). Personalized customer journeys emerge as a pivotal aspect of omnichannel marketing strategies. By leveraging data-driven insights, brands can tailor their offerings to meet the unique needs and preferences of individual consumers. Amazon's sophisticated recommendation engine stands as a testament to the power of personalization in driving customer engagement and loyalty (Schweidel, D. A. et al, 2022). In today's hyper-connected world, consumers expect a unified brand experience regardless of the channel they choose to engage with. Throughout our exploration, we have uncovered various challenges and opportunities inherent in the omnichannel landscape. Data privacy and security concerns loom large in an era marked by increasing scrutiny over the handling of personal information. Moreover, the seamless integration of technology poses challenges for marketers, necessitating continuous innovation and adaptation. Nevertheless, amidst these challenges lie ample opportunities for marketers to innovate and differentiate themselves in a crowded marketplace. By focusing on delivering seamless experiences and building genuine connections with consumers, brands can cultivate long-lasting relationships and foster brand advocacy. In terms of contributions to the field, this chapter offers valuable insights into the evolving nature of consumer behaviour in the digital age. By synthesizing existing literature and drawing upon real-world case studies, we have provided a comprehensive understanding of the dynamics driving omnichannel consumer behaviour.



Recommendations for Practitioners

The cornerstone of successful omnichannel marketing lies in the ability to seamlessly integrate various touchpoints and channels into a cohesive and personalized customer journey. This requires a deep understanding of customer preferences, behaviours, and expectations at each stage of the purchasing process. Marketers must leverage advanced analytics and data-driven insights to identify key touchpoints and optimize the customer experience across all channels. Whether it's through personalized recommendations, contextual messaging, or streamlined checkout processes, the goal is to create a frictionless journey that anticipates and fulfills customer needs at every turn. Moreover, brands must invest in robust technology infrastructure to enable seamless integration and synchronization across channels. This includes leveraging CRM systems, marketing automation platforms, and AI-driven tools to orchestrate omnichannel campaigns and deliver consistent messaging across all touchpoints. By breaking down silos between online and offline channels, marketers can create a unified brand experience that resonates with consumers regardless of how they choose to engage. In the era of omnichannel marketing, building lasting relationships with customers goes beyond mere transactions; it's about cultivating loyalty and advocacy through meaningful interactions and experiences. One of the key strategies for fostering customer loyalty is to prioritize personalization and relevance across all touchpoints. By tailoring messages and offers to individual preferences and behaviours, brands can forge deeper connections with their audience and inspire loyalty over the long term. Furthermore, brands must prioritize transparency, authenticity, and integrity in their interactions with customers. This includes being upfront about data usage and privacy practices, as well as delivering on promises made across all channels. By building trust and credibility, brands can turn satisfied customers



into loyal advocates who not only continue to support the brand but also actively promote it to others.

The future of omnichannel marketing holds immense promise and potential. Looking ahead, marketers must embrace emerging technologies such as augmented reality (AR), virtual reality (VR), and voice-enabled devices to create immersive and engaging experiences across all channels. By harnessing the power of AI and machine learning, brands can further refine their omnichannel strategies, delivering hyper-personalized experiences that anticipate and exceed customer expectations. Moreover, the rise of new platforms and channels, such as social commerce and livestream shopping, presents exciting opportunities for brands to connect with customers in innovative ways. By staying agile and adaptive, marketers can navigate these evolving landscapes and capitalize on emerging trends to drive growth and differentiation.

In conclusion, the study of omnichannel consumer behaviour represents a crucial area of inquiry in the field of marketing. By embracing the principles of seamless integration, personalization, and multichannel engagement, brands can navigate the complexities of the digital ecosystem and forge meaningful connections with their audience.



References

- [1] Adams, J., Greig, M., & McQuaid, R. W. (2000). Mismatch unemployment and local labour-market efficiency: the role of employer and vacancy characteristics. *Environment and Planning A: Economy and Space*, 32(10), 1841-1856. <https://doi.org/10.1068/a3342>
- [2] Adamus, M. (2017). Reasons for doing good: behavioural explanations of prosociality in economics. *Economics & Sociology*, 10(1), 122-134. <https://doi.org/10.14254/2071-789x.2017/10-1/9>
- [3] Aminullah, E., Fizzanty, T., Nawawi, N., Suryanto, J., Pranata, N., Maulana, I., & Budiatri, A. (2022). Interactive components of digital msme ecosystem for inclusive digital economy in indonesia. *Journal of the Knowledge Economy*. <https://doi.org/10.1007/s13132-022-01086-8>
- [4] Amirullah, T. and Aruan, D. (2019). Case study of omnichannel marketing in pt arwana citramulia tbk. *Iptek Journal of Proceedings Series*, 0(5), 339. <https://doi.org/10.12962/j23546026.y2019i5.6352>
- [5] Angioni, E., Cabiddu, F., & Di Guardo, M. C. (2012). Value-co-creation through multichannels distributions: The Nike ID case. In *Information Systems: Crossroads for Organization, Management, Accounting and Engineering: ItAIS: The Italian Association for Information Systems* (pp. 259-266). Physica-Verlag HD.
- [6] Autio, E., Nambisan, S., Thomas, L., & Wright, M. (2018). Digital affordances, spatial affordances, and the genesis of entrepreneurial ecosystems. *Strategic Entrepreneurship Journal*, 12(1), 72-95. <https://doi.org/10.1002/sej.1266>
- [7] Ayensa, E., Mosquera, A., & Murillo, Y. (2016). Omnichannel customer behaviour: key drivers of technology acceptance and use and their



- effects on purchase intention. *Frontiers in Psychology*, 7. <https://doi.org/10.3389/fpsyg.2016.01117>
- [8] Ayutthaya, D. H. N. and Koomsap, P. (2018). Embedding memorable experience to customer journey. *IFIP Advances in Information and Communication Technology*, 222-229. https://doi.org/10.1007/978-3-319-99704-9_27
- [9] Beliaeva, T., Ferasso, M., Kraus, S., & Damke, E. (2019). Dynamics of digital entrepreneurship and the innovation ecosystem. *International Journal of Entrepreneurial Behaviour & Research*, 26(2), 266-284. <https://doi.org/10.1108/ijebr-06-2019-0397>
- [10] Bernstein, F., Modaresi, S., & Sauré, D. (2019). A dynamic clustering approach to data-driven assortment personalization. *Management Science*, 65(5), 2095-2115.
- Neslin, S. A. (2022). The omnichannel continuum: Integrating online and offline channels along the customer journey. *Journal of retailing*, 98(1), 111-132.
- [11] Brasier, A. R. and Wan, G. (2010). Including subjective norm and technology trust in the technology acceptance model. *ACM SIGMIS Database: The DATABASE for Advances in Information Systems*, 41(4), 40-51. <https://doi.org/10.1145/1899639.1899642>
- [12] Climent, R., Haftor, D., & Chowdhury, S. (2021). Value creation through omnichannel practices for multi-actor customers: an evolutionary view. *Journal of Enterprising Communities People and Places in the Global Economy*, 16(1), 93-118. <https://doi.org/10.1108/jec-07-2021-0100>
- [13] Cui, T. H., Ghose, A., Halaburda, H., Iyengar, R., Pauwels, K., Sriram, S., ... & Venkataraman, S. (2021). Informational challenges in omnichannel marketing: Remedies and future research. *Journal of marketing*, 85(1), 103-120.

- [14] Demmers, J., Weltevreden, J. W., & van Dolen, W. M. (2020). Consumer engagement with brand posts on social media in consecutive stages of the customer journey. *International Journal of Electronic Commerce*, 24(1), 53-77.
- [15] Du, S., Peng, X., Nie, T., & Zhu, Y. (2023). Multichannel design and pricing in vertically differentiated expert service markets. *Managerial and Decision Economics*, 44(7), 3787-3813.
- [16] Duan, C., Kotey, B., & Sandhu, K. (2021). The effects of cross-border e-commerce platforms on transnational digital entrepreneurship. *Journal of Global Information Management*, 30(2), 1-19.
- [17] Duan, C., Kotey, B., & Sandhu, K. (2021). The effects of cross-border e-commerce platforms on transnational digital entrepreneurship. *Journal of Global Information Management*, 30(2), 1-19.
- [18] Geng, L. and Chang, Y. (2022). The effects of utilitarian value on omnichannel continuance intention: the moderating role of product involvement. *Baltic Journal of Management*, 17(4), 484-500. <https://doi.org/10.1108/bjm-09-2021-0332>
- [19] Kang, J. (2019). What drives omnichannel shopping behaviours?. *Journal of Fashion Marketing and Management*, 23(2), 224-238. <https://doi.org/10.1108/jfmm-07-2018-0088>
- [20] Krasnyuk, I., Kolgan, M., & Medvedeva, Y. (2021). Digital ecosystem structure formation depending on the archetype of distribution network participants. *European Journal of Management and Business Economics*, 31(2), 176-191. <https://doi.org/10.1108/ejmbe-07-2021-0202>
- [21] Krasnyuk, I., Kolgan, M., & Medvedeva, Y. (2021). Digital ecosystem structure formation depending on the archetype of distribution network participants. *European Journal of Management and Business Economics*, 31(2), 176-191. <https://doi.org/10.1108/ejmbe-07-2021-0202>

- [22] Lallemand, C., Lauret, J., & Drouet, L. (2022). Physical journey maps: staging users' experiences to increase stakeholders' empathy towards users. CHI Conference on Human Factors in Computing Systems Extended Abstracts. <https://doi.org/10.1145/3491101.3519630>
- [23] Larke, R., Kilgour, M., & O'Connor, H. (2018). Build touchpoints and they will come: transitioning to omnichannel retailing. *International Journal of Physical Distribution & Logistics Management*, 48(4), 465-483. <https://doi.org/10.1108/ijpdlm-09-2016-0276>
- [24] Le, A. and Nguyen-Le, X. (2020). A moderated mediating mechanism of omnichannel customer experiences. *International Journal of Retail & Distribution Management*, 49(5), 595-615.
- [25] Lee, S. Y., Son, Y., & Oh, W. (2021). Effectiveness of integrated offline-and-online promotions in omnichannel targeting: A randomized field experiment. *Journal of Management Information Systems*, 38(2), 484-516.
- [26] Lehrer, C. and Trenz, M. (2022). Omnichannel business. *Electronic Markets*, 32(2), 687-699. <https://doi.org/10.1007/s12525-021-00511-1>
- [27] Liu, J. and Xu, Q. (2020). Joint decision on pricing and ordering for omnichannel bops retailers: considering online returns. *Sustainability*, 12(4), 1539. <https://doi.org/10.3390/su12041539>
- [28] Lorenzo-Romero, C., Andrés-Martínez, M., & Mondéjar-Jiménez, J. (2020). Omnichannel in the fashion industry: a qualitative analysis from a supply-side perspective. *Heliyon*, 6(6), e04198.
- [29] Loureiro, S. and Ramadan, Z. (2022). Engaging with omnichannel brands: the role of consumer empowerment. *International Journal of Retail & Distribution Management*, 51(2), 238-261.

- [30] Lu, F., Fang, M., Cai, L., Su, M., & Wang, X. (2022). Consumer motivations for adopting omnichannel retailing: a safety-driven perspective in the context of covid-19. *Frontiers in Public Health*, 9. <https://doi.org/10.3389/fpubh.2021.708199>
- [31] Lusch, R. and Nambisan, S. (2015). Service innovation: a service-dominant logic perspective. *Mis Quarterly*, 39(1), 155-175. <https://doi.org/10.25300/misq/2015/39.1.07>
- [32] Lusch, R. and Nambisan, S. (2015). Service innovation: a service-dominant logic perspective. *Mis Quarterly*, 39(1), 155-175.
- [33] Mafimisebi, O. and Ogunsade, A. (2021). Unlocking a continent of opportunity: entrepreneurship and digital ecosystems for value creation in africa. *Fiib Business Review*, 11(1), 11-22.
- [34] Manser Payne, E., Peltier, J. W., & Barger, V. A. (2017). Omni-channel marketing, integrated marketing communications and consumer engagement: A research agenda. *Journal of Research in Interactive Marketing*, 11(2), 185-197.
- [35] Morgan, M. S. (2006). Economic man as model man: ideal types, idealization and caricatures. *Journal of the History of Economic Thought*, 28(1), 1-27. <https://doi.org/10.1080/10427710500509763>
- [36] Nguyen, A., McClelland, R., Hoang Thuan, N., & Hoang, T. G. (2022). Omnichannel marketing: Structured review, synthesis, and future directions. *The International Review of Retail, Distribution and Consumer Research*, 32(3), 221-265.
- [37] Ningsih, S. K., Habibi, A., & Sofwan, M. (2023). The influence of the unified theory of acceptance and use of technology (utaut) model on the application of information and communication technology at elementary schools. *Primary: Jurnal Pendidikan Guru Sekolah Dasar*, 12(1), 190. <https://doi.org/10.33578/jpkip.v12i1.9544>

- [38] Permana, I. and Gan, K. (2022). Social construction of technology (scot) from generation x's shopping experiences to omnichannel as new way of shopping. *Bricolage Jurnal Magister Ilmu Komunikasi*, 8(2), 141. <https://doi.org/10.30813/bricolage.v8i2.3338>
- [39] Purbasari, R., Munajat, E., & Fauzan, F. (2023). Digital innovation ecosystem on digital entrepreneur. *International Journal of E-Entrepreneurship and Innovation*, 13(1), 1-21. <https://doi.org/10.4018/ijeei.319040>
- [40] Purbasari, R., Munajat, E., & Fauzan, F. (2023). Digital innovation ecosystem on digital entrepreneur. *International Journal of E-Entrepreneurship and Innovation*, 13(1), 1-21. <https://doi.org/10.4018/ijeei.319040>
- [41] Rey-García, M., Otero, A. R., & Mato-Santiso, V. (2018). The challenges of digital transformation for fast-fashion brands: A proposal for an operational tool to measure omni-channel integration. In *Advances in National Brand and Private Label Marketing: Fifth International Conference, 2018* (pp. 95-103). Springer International Publishing.
- [42] Riaz, H., Baig, U., Meidutė-Kavaliauskienė, I., & Ahmed, H. (2021). Factors effecting omnichannel customer experience: evidence from fashion retail. *Information*, 13(1), 12. <https://doi.org/10.3390/info13010012>
- [43] Ryu, J., Fortenberry, S., & Warrington, P. (2023). Understanding omnichannel shopping behaviours: incorporating channel integration into the theory of reasoned action. *Journal of Consumer Sciences*, 8(1), 15-26. <https://doi.org/10.29244/jcs.8.1.15-26>
- [44] Schweidel, D. A., Bart, Y., Inman, J. J., Stephen, A. T., Libai, B., Andrews, M., ... & Thomaz, F. (2022). How consumer digital signals are reshaping the customer journey. *Journal of the Academy of Marketing Science*, 50(6), 1257-1276.

- [45] Senyo, P., Liu, K., & Effah, J. (2019). Digital business ecosystem: literature review and a framework for future research. *International Journal of Information Management*, 47, 52-64.
- [46] Senyo, P., Liu, K., & Effah, J. (2019). Digital business ecosystem: literature review and a framework for future research. *International Journal of Information Management*, 47, 52-64.
- [47] Sherovska, G. and Petrovska, I. (2021). The future of the retail industry by implementing omnichannel marketing strategy in the republic of north macedonia. *International Journal of Academic Research in Business and Social Sciences*, 11(8).
- [48] Sombultawee, K. and Wattanatorn, W. (2022). The impact of trust on purchase intention through omnichannel retailing. *Journal of Advances in Management Research*, 19(4), 513-532.
- [49] Stonig, J., Schmid, T., & Müller-Stewens, G. (2022). From product system to ecosystem: how firms adapt to provide an integrated value proposition. *Strategic Management Journal*, 43(9), 1927-1957. <https://doi.org/10.1002/smj.3390>
- [50] Stonig, J., Schmid, T., & Müller-Stewens, G. (2022). From product system to ecosystem: how firms adapt to provide an integrated value proposition. *Strategic Management Journal*, 43(9), 1927-1957. <https://doi.org/10.1002/smj.3390>
- [51] Suseno, Y., Laurell, C., & Sick, N. (2018). Assessing value creation in digital innovation ecosystems: a social media analytics approach. *The Journal of Strategic Information Sys*
- Aminullah, E., Fizzanty, T., Nawawi, N., Suryanto, J., Pranata, N., Maulana, I., ... & Budiatri, A. (2022). Interactive components of digital msme ecosystem for inclusive digital economy in indonesia. *Journal of the Knowledge Economy*.

- [52] Suseno, Y., Laurell, C., & Sick, N. (2018). Assessing value creation in digital innovation ecosystems: a social media analytics approach. *The Journal of Strategic Information Systems*, 27(4), 335-349.
- [53] Thomas, J. and Sullivan, U. (2005). Managing marketing communications with multichannel customers. *Journal of Marketing*, 69(4), 239-251. <https://doi.org/10.1509/jmkg.2005.69.4.239>
- [54] Tyrväinen, O., & Karjaluo, H. (2019). Omnichannel experience: Towards successful channel integration in retail. *Journal of Customer Behaviour*, 18(1), 17-34.
- [55] Valdez Mendia, J. M., & Flores-Cuautle, J. D. J. A. (2022). Toward customer hyper-personalization experience—A data-driven approach. *Cogent Business & Management*, 9(1), 2041384.
- [56] Weinberg, B. D., Parise, S., & Guinan, P. J. (2007). Multichannel marketing: Mindset and program development. *Business Horizons*, 50(5), 385-394.
- [57] Wirtz, B. W. (2008). *Multi-channel-marketing. Grundlagen-Instrumente-Prozesse*, Wiesbaden.
- [58] Yang, Z., & Hu, D. (2024). Digital technology-empowered omnichannel integration: a review and research agenda. *International Journal of Retail & Distribution Management*.

