A comparative analysis of consumer psychology of Generation X, Y & Z co-relating to digital consumption

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Abstract
Digital consumption has developed as a crucial & distinctive characteristic of modern-day consumer behaviour, moulded meaningfully by psychological progressions and generational variances. This study showcases a relative examination of consumer mindset correlated to digital consumption among Generation X, Generation Y (Millennials) and Generation Z. Rooted in consumer psychology model and generational cohort study, the paper examines how differences in principles, cognitive processing, emotive factors, technological revelation and community stimuluses trigger distinctive digital consumption behaviour across these groups. Tracing the subject from topical literatures, this study discovers the interrelationship amid consumer thinking process, generational distinctiveness and digitalization besides examining & evaluating variances in trust formation, stimulation, decision-making aptitudes and level of interaction with digital platforms. The findings divulge that Generation X validates logical, ethics-oriented and risk-averse digital behaviour; Generation Y balances coherent assessment with emotional and social engagement; while Generation Z displays identity centrical, peer-influenced and impulsive digital consumption patterns. The analysis accentuates the inevitability for distinguished digital marketing and engagement strategies modelled to understand generational psychology. This acumen offers substantial implications for market professionals, platform creators and policymakers functioning in digital marketplaces.
Keywords
Digital Consumption, Digital Consumer, Consumer Psychology, Generation X, Millennial, Generation Z, Digital Consumer Behaviour

1. Introduction

Digital channel usage has turned out to be a crucial feature of contemporary consumer's prime choice, prompting activities such as social media happenings, online spending, electronics real-time financial transactions & dealings and platforms for digital entertainment. Though digital mediums facilitate similar facilities across all cohorts of age clusters, the degree of responses of the users differ significantly based on the consumer psychology of that particular group which is defined as generation. Consumer psychology, defined as the study of how thoughts, beliefs, feelings and perceptions influence buying behaviour plays a crucial role in shaping digital consumption patterns (Schiffman & Wisenblit, 2019).

From the viewpoint of consumer psychology, digital consumption is very likely to be impetus by external elements, such as consumer usage assessment, commercial promotion and group dissemination, which has the prospective to trigger consumers' desire to avail the proposed benefits. This leads to stimulation of consumers' subliminal conception to, so that they can share their consumption experience with per groups. In this digital age backed by "Internet +", many consumers are heavily prejudiced by social media influencers, celebrity endorsements and live streaming which leads to high & impetuous consumption. This not only upsurge their economic burden but also upheaval the consumption experience.

Digital consumption is defined as the way an individual or collective individual's perception/opinion/assessment measures the products, facilities & amenities accessible through a digital intermediate such as live streaming events, social mass digital media, e-commerce, mobile applications, digital payments and online publicity & promotion. Digital consumer psychology is moulded by generational preferences which get influenced by thought process, values and belief system, technological comfort level, exposure and socio-economic environments. Generations X, Y and Z diverge completely with their approach towards digital consumption as they are significantly influenced and shaped by their level of adoption of technology, cultural and social background and economic strata. Understanding the psychological variances regarding the consumption pattern of these generations is crucial for players operating in digital marketplaces. The objective of this paper is to comparatively analyse the consumer psychology of digital consumption among these generations and the behavioural traits.

1.1 Understanding the intricacies of the digital world & digitalisation

To understand digital consumption, first we need to analyse the driving factors behind it: Digital World & Digitalisation.

The facility of internet has already been availed by more than 5 billion people (about 60%of the global population). Presently typical Internet users devote approximately seven hours per day on online activities which is more than 40% of their waking life. The most extensively used digital services are live streaming, entertainment and social media. It has a profound impact on the psychology of the users which significantly influences the thought process, value & belief system, taste and above all psychology. The digital world is a virtual ecosystem aided by hardware, software and data & information which heavily influence the physical world.

Actually, both the digital & physical world are so closely interwoven that the boundaries of these two are completely blurred. Both these worlds are completely inter-connected and equally influence each other.

Studies evidence that a composite impact of digitalization on several cognitive progressions, including changes in attention mechanisms (Attrill & Fullwood, 2016), transformation of mnemonic strategies (Attrill, 2015) and modification of perceptual patterns (Antonova et al., 2018). Continuous interface with digital technologies will ensure constant flow of information and data which can have substantial impact on the various psychological traits – thought system, value, acumen, perception and belief. This will change the overall perspective of an individual/group in a very significant manner.

1.2 The Concept of Digital Consumer & E-Consumer

Comprehensive understanding of these two themes is enormously important to thoroughly grasp the fundamental principles of the digital ecosystem. There is a systematic variance between digital consumers and e-consumer. The term of e-consumer is used in the context of a virtual environment; it refers to a physical person manifesting and fulfilling their needs with products (goods and services) bought on-line (Wolny, 2012). An e-consumer can be defined as an individual who achieves her necessity in the virtual world without obtaining or purchasing any product or services, e.g. by availing certain benefits without spending anything. The characterization of digital consumer is more widespread than that of e-consumer because it encompasses both inert (browsing web sites) and dynamic (remarking, influencing, blogging) e-behaviour.

1.3 Trends Defining Digital Consumers

Trend is a process of change that can be viewed from different perspectives: psychological, sociological and economic (H. Vejlgaard, 2012). Trends routinely develop as a by- product of the outcome of a dynamic environment in the societal, demographic, legal, fiscal, political and technological sphere. In the case of digital consumers, only the trends that arise after a disruption caused by the introduction of an emerging technology are pertinent.
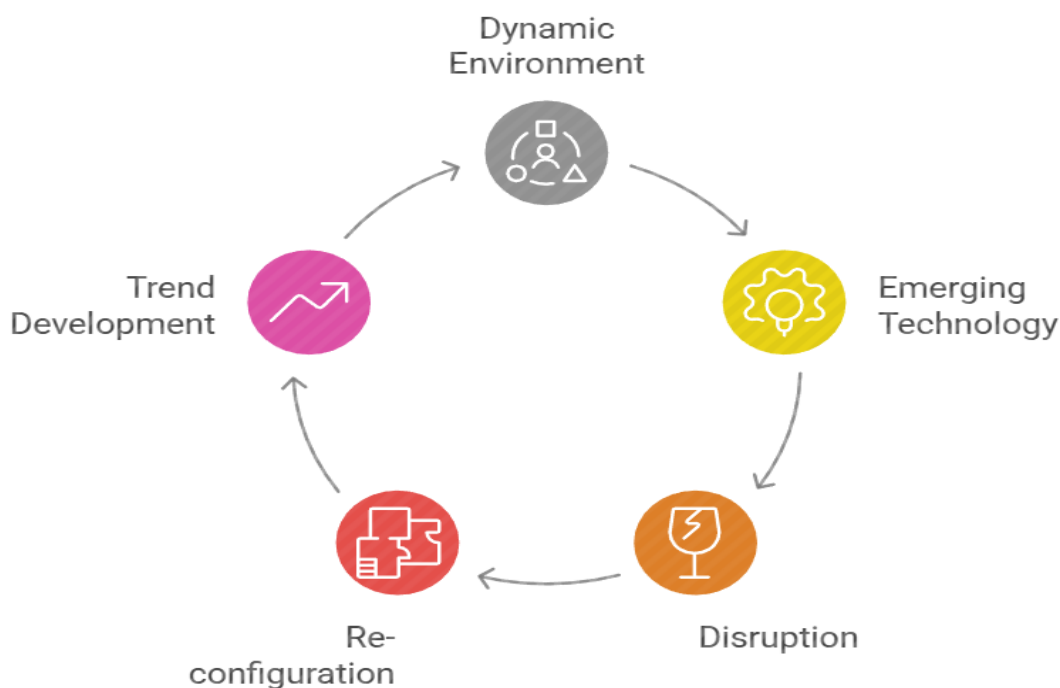
Fig 1: Cycle of Digital Consumer Trends
Source: Authors basis literature

Amid the universal trends the following factors always re-configure the behavioural traits of digital consumers.
• Easy availability to the Internet,
• Portable technology,
• 'Easily accessible' media,
• Wearable technologies.

Fig 2: Trends defining digital consumers.
Source: Authors basis literature

1.4 Types of Digital Consumers

Because of the various modus operandi of technological aspects due to demographic variables and life styles digital consumers are not a homogeneous group. Broadly digital consumers are divided into four groups:

• Brand advocates - Brand advocates are digital extroverts, reliable and self-assured while accessing the internet. Their strong presence in all spheres of social media empowers them to outline the image of objects and products.

• Digital moms - Digital moms are women who are well-informed, trendy and have a continuous presence in the world of "on-line". They take advantage of the World Wide Web to avail services & products essential for their homes and frequently act as bloggers.

• How to-video users - How-to-video users are regular viewers of video content, available mainly on YouTube and have strong opinions about certain products and present them in a very imaginative and unique manner.

• Millennials - A typical Millennial check and post comments, notifications and announcements on a very regular basis on the social media platforms. They also go through the postings of their community.

• iGenor – IGenors are digital natives. They think, write and speak through the internet and have multiple identities, with one "real life" identity and several online ones. (Seemiller & Grace, 2019). Emotionally they live in a virtual world and mostly communicate through on-line channels.
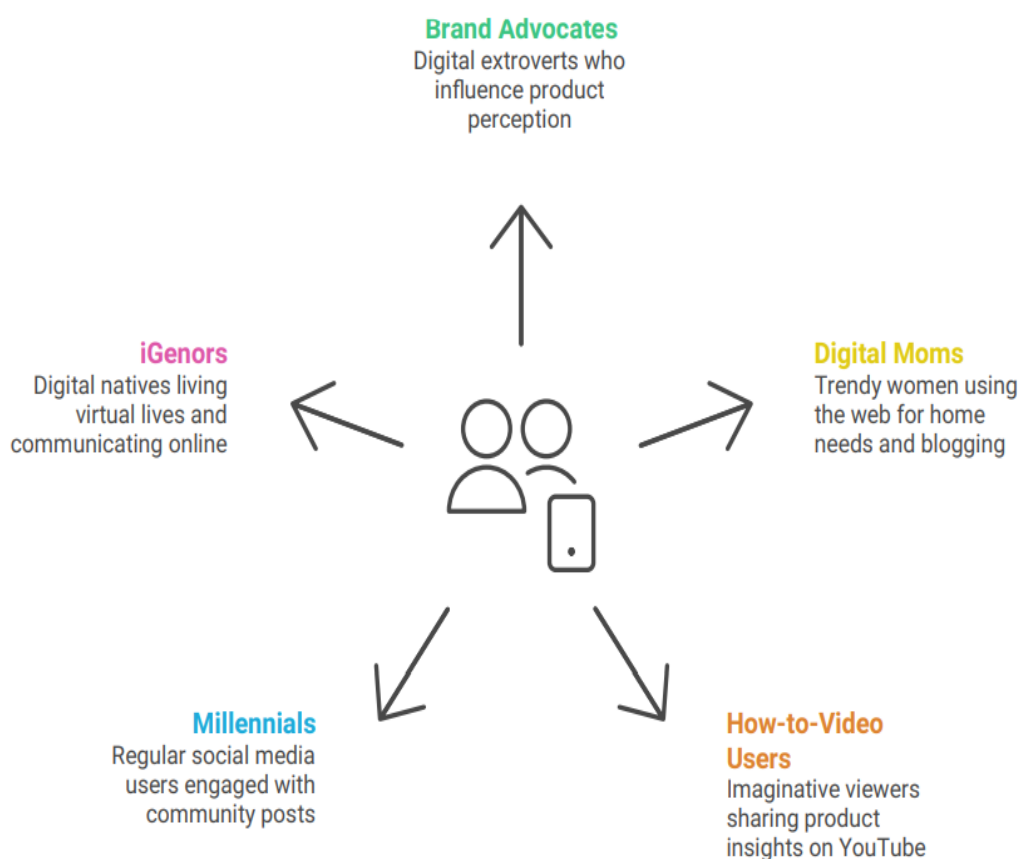

Digital Consumer Types

Brand Advocates
Digital extroverts who influence product perception

iGenors
Digital natives living virtual lives and communicating online

Digital Moms
Trendy women using the web for home needs and blogging

Millennials
Regular social media users engaged with community posts

How-to-Video Users
Imaginative viewers sharing product insights on YouTube

Fig 3: Key aspects of consumer psychology
Source: Authors basis literature
Each of these groups behaves in a very precise, explicit and distinctive way.

2. Consumer Psychology intricacies

Consumer psychology is defined as the both conscious and unconscious methodical approach followed by individuals or cohorts to procure, use, or avail of products, facilities or ideas to placate wants and requirements. Consumer psychology dissects the predictive pattern of people's thought process, emotional & intelligent quotient and decision-making trends which stimulate and elucidate the choice of products and facilities as far as selection, procurement and consumption is concerned. It scrutinizes and studies various psychological factors, which comprise perception, socio-psychological behaviour and cultural and economic determinants. The study of various variables of consumer psychology accentuates and validates the prominent role played by individuals and groups that determines the choice of products and services. Demographic major influential factors include various demographic dimensions – gender, life cycle stage, ethnicity, religion, nationality, social class, economical status etc.

2.1 Key aspects of Consumer Psychology

Consumer psychology determines the choice of products and services. This decision-making process has chronological stages – identification of the need, short listing options, assessment of alternatives, arriving at a final choice and post-consumption behaviour. The evaluation of this process empowers the marketers to determine the time & stage of influence. Fundamentally there are two factors which play a pivotal role in influencing consumer psychology.

Emotional Factors:

- Perception: The way consumers construe the marketing communications, brand recall and product information based on their own interpretation.
- Attitudes: How the consumers sense about a particular brand which stimulates their intention to purchase.
- Motivation: The factors which trigger the requirements of the consumers.
- Learning: The post purchase/consumption experience that decides repeat purchase.
- Image & Identity: Personality traits are deciding factors for consumer preferences.

Social Factors:

- Social and cultural influences: Family, friends, norms of society, cultural background, influence of peer groups and determine the consumer preferences. These factors stimulate each & every domain starting from brand loyalty to purchasing decision & behaviour.
- Social identity: The social standing plays a critical role to influence the thought process of the which regulates the consumption philosophies.
- Community behaviour norms: Various elements of society like norms of culture, unique community traits and value system subtly put an impact on consumer psychology.
- Cultural significance: More than practical utility or price the identification of a product or service becomes a deciding factor in the decision-making process.

Personality Traits Factors:

Character, purpose & behaviour powerfully affects a wide array of cognitive responses and plays a key role in the consumer decision making process. Five Factor Model (FFM), which defines the prime concept of the character traits comprises five hypotheses: - extraversion, conscientiousness, openness to new experience, agreeableness and neuroticism.

- Extraversion – Natural inclination to partake with the proceedings of the external ecosphere.
- Conscientiousness - The level to which an individual is reliable, concerned with particulars and accountable.
- Openness to experience – It's consumers' openness to experiment which is fueled by path breaking concepts, imagination, questioning the age-old norms, innovative ideas and curiosity.
- Agreeableness – Willing to accommodate, willingness to acclimatise, empathy and eagerness to help. relates to the tendency to be cooperative.
- Neuroticism – It's the emotional traits which develop negative emotions, including low self-esteem, dread, dejection, antagonism, apprehension, irritability, seclusion, worry and unhappiness.
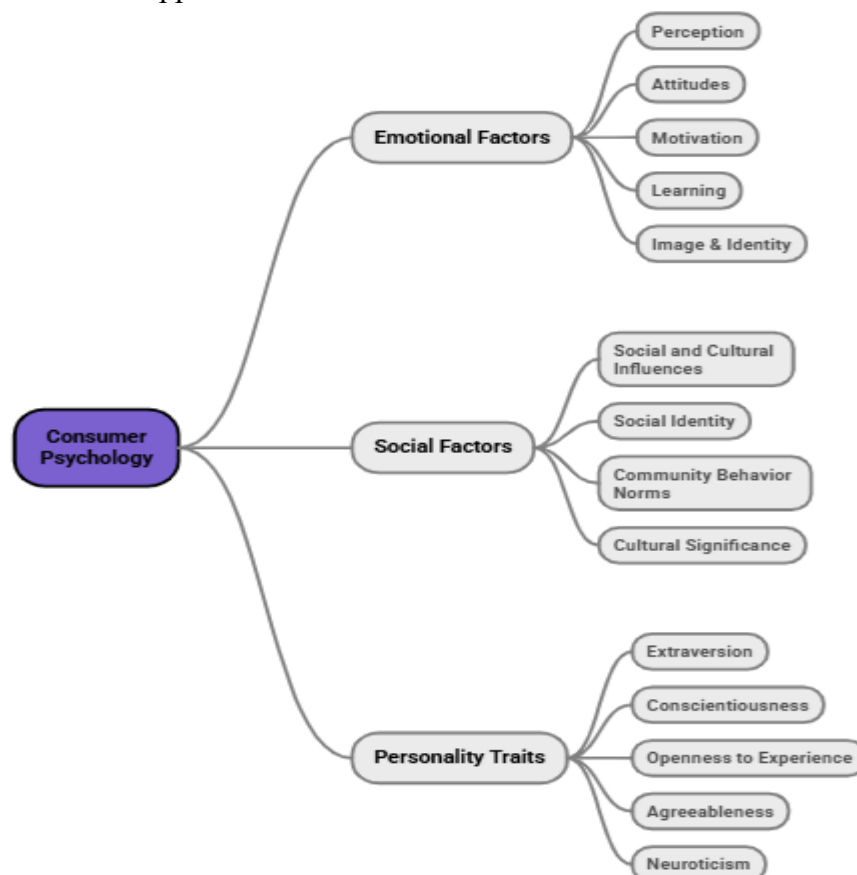

Fig 4: Key aspects of consumer psychology
Source: Authors basis literature

3. Interrelation between Digital Consumption and Consumer Psychology

Digital consumption behaviour is influenced by perceived usefulness, ease of use, trust, social influence and emotional engagement (Davis, 1989; Kotler & Keller, 2016). Psychological factors such as motivation, attitude formation and perception significantly affect how consumers interact with digital platforms. With the rise of social media and mobile technologies, social validation and identity expression have become central to digital consumption, particularly among younger consumers (Belk, 2013).

4. Defining Generations

A generation can be defined as a group of population, who are born in a certain period who are influenced by a collective and common set of views, perception, behaviours, beliefs, ideals, epitomes and historical events that construe their thought process.

There are a logic and pattern of recognising the cohort group of this length on five major criteria:

i. A generation belongs to a certain time spell, shares the same age group and geography.
ii. There is a distinct similarity of character traits, value and belief system among them.
iii. Certain historically significant events have considerable impact on the society and hence influence them directly or indirectly.
iv. They bring significant waves of changes which induce certain actions of the earlier generations to re-modify their modus operandi.
v. Every generation is signalized by an exclusive set of ideals, characteristics and abilities.

Evolution of Generational Cohort

The study of generations was not started long ago. Various types of generations can be categories as

Lost Generation [1883- 1900]: This generation's thought process was reoriented by the Industrial Revolution. They were more literate, first generation to be influenced by mass media, industrious but retained strict conventional social values. They paved the way for modern society.

Greatest Generation [1901- 1927]: This segment is also denoted to as the "World War II Generation" and the "G.I. Generation" and sometimes referred to as the Interbellum Generation. The great depression and the world war – II had a very profound impact on them. They sustained great hardship but retained a very high degree of moral code.

Silent Generation [1928- 1945]: The most pertinent reason for naming them as silent generation was that they worked very hard and mostly kept quiet and did not voice their opinion. They went through the worst phases in the history of mankind. A lot of geopolitical & historic events like – the great depression, World War II, the rise of communism, Cold war, civil right movement, McCarthyism etc shaped their thought process and value system.

Baby Boomers [1946- 1964]: The sudden spur of birth rate gave this generation their name. They were social-cause oriented, free spirited and possessed an individualism. This was the generation which settled for nothing but the best as far as consumerism is concerned.

Generation X [1965- 1980]: The term X prompted by the fact that this generation resisted being defined. They embarrassed the changing dynamics of the society & world with a lot of ease. This generation's quest for emotional security and independence stood out.

Generation Y [1981- 1996]: They were also known as Millennials and are defined by their connectivity to people and adoption to technology. This generation successfully encountered the exponential growth in the technological explosion and societal changes. They can be defined as ambitious, entrepreneurial and open to change.

Generation Z [1997- 2012]: Generation Z, colloquially shortened to Gen Z and also known as Post-Millennials, Zoomers, Centennials Generation C, iGenor. Gen Zs are believed to be the most open minded and non-conforming. Their openness also appears in areas like gender fluidity (Seemiller & Grace, 2019). Gen Zs grew up with a technology driven lifestyle. Native from the internet era, Gen Zs are mostly managing multiple identities, with one "real life" identity and several online ones (Seemiller & Grace, 2019). Emotionally they live in a virtual world and because of availability of information the world is flat for them or like a global village.

Generation Alpha [2013- 2025]: They are the first generation born entirely in the 21st century. This generation is characterized by its immersion in technology, acceptance of DEI – Diversity, Equity & Inclusion and the influence of the digital world.
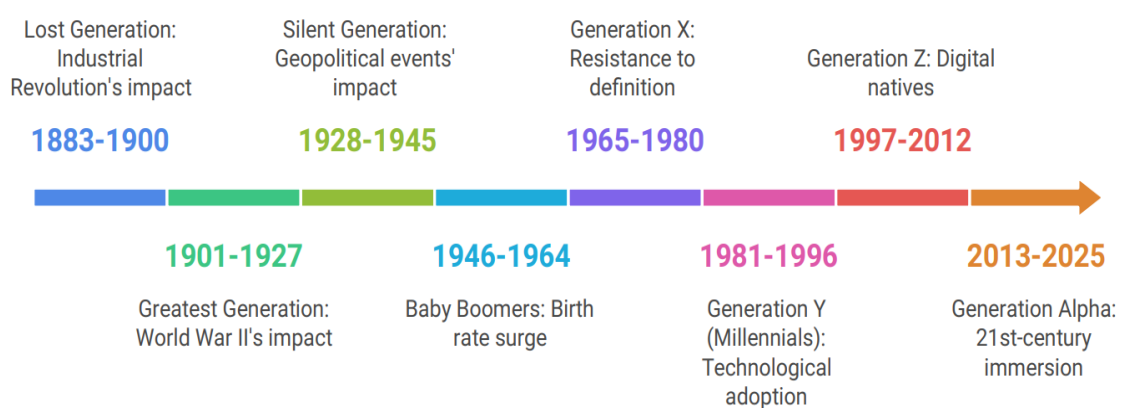
Evolution of Generational Cohorts

Lost Generation: Industrial Revolution's impact	Silent Generation: Geopolitical events' impact	Generation X: Resistance to definition	Generation Z: Digital natives
1883-1900	1928-1945	1965-1980	1997-2012

1901-1927	1946-1964	1981-1996	2013-2025
Greatest Generation: World War II's impact	Baby Boomers: Birth rate surge	Generation Y (Millennials): Technological adoption	Generation Alpha: 21st-century immersion

Fig 5: Key aspects of consumer psychology
Source: Authors basis literature

However, our study will be confined only to Generation X, Y & Z as digital consumption among earlier generations are quite negligible or severely restrained.

5. Interrelation between Generational Cohorts & Consumer Psychology -

In spite of its standing and certainty, several line of thought in the arena of marketing studies initially questioned the significance of chronological age as a measure for segmentation. As these cohorts frequently share the same characteristics based on their birth period, it reflects in all aspects of their mindset including consumer psychology.

The principles, ethics, perceptions, views, morals and behaviours generally remain constant all over a generation's lifetime and create generational distinctiveness character. In the marketing concept and consumer context, these significantly stimulate spending patterns and purchase behaviour. This hypothesis becomes the foundation to define consumer segmentation. Consequently, understanding the basic principles and causes of inspirations of a particular generation has become a barometer to target a precise consumer band, as each generation is influenced & motivated by exclusive ideas about the sort of lifestyle they desire to accomplish. Generational identity is further discussed in terms of a generational habitus that refers to a 'set of unconscious practices and forms of being that arise from and help shape the cultural field in which they are co-assembled' (Gilleard and Higgs, 2009: 27-30). Lifestyles, social norms and habitus personify the history of the field within which they have emerged.

6. The Multi-angular, diverse but defining Role of Generation Cohort in Digital Consumption

The acceptance, implementation and learning of digital technologies in the background of private and communal life inexorably encompasses dissimilarity between individuals and social groups. Any technological progression that is associated with social transformation undoubtedly develops practices in which certain demographic clusters and individuals use technologies more recurringly and for multipurpose reasons. Embracing and use of digital devices is allied to the time period when technologies become easily understood & accessible. Hence, individuals born in diverse time spells may favour particular technologies while rejecting the rest to systematically comprehend the significance of a specific generation on the acclimatisation and adoption of digital technologies, diverse dimensions of ageing must be contemplated and scrutinized

In the analysis of consumption and demographic cohorts, the dynamic forces of intergenerational permutation and combinations, i.e., the collaboration among the members of diverse generations, have not received due attention and consideration.

6.1 Comparative Analysis

An evaluation of the three generations divulges distinct psychological patterns in digital consumption. Generation X displays balanced and risk-averse decision-making, Generation Y exhibits logical assessment with demonstrative engagement, while Generation Z counts on spontaneous and communally inclined decisions. Trust factors shift from brand specialist (Gen X) to societal resilient (Gen Y) and peer corroboration (Gen Z).

Additionally, content preferences progress from informational setups to narrative-driven storytelling and finally to visual, collaborative and transient content. These variances justify the requirement for distinguished digital engagement approaches.

Dimensions	Generation X	Generation Y	Generation Z
Birth Year	1965 – 1980	1981 - 1996	1997 - 2012
Digital Exposure	Digital immigrants	Digital adapters	Digital natives
Psychological Traits	Pragmatic, sceptical and value-driven Preference for autonomy and control Risk-averse compared to younger cohorts	Experience-oriented Socially conscious and brand-aware Seek balance between value and experience	Highly visual, fast-paced and authenticity-focused Short attention span but high digital multitasking ability Identity-driven consumption
Digital Consumption Behaviour	Uses digital platforms primarily for **utility and efficiency** Strong preference for **desktop/laptop** over mobile-only experiences Trust is a critical factor; influenced by **reviews, credibility and brand reputation**	Heavy users of **social media, e-commerce, subscription services** Comfortable with **mobile-first platforms** Likely to research extensively before purchase	Mobile-first and app-centric Strong engagement with **short-form video platforms** Seamless blending of entertainment, shopping and social interaction (social commerce)
Motivational Drivers	Convenience Price comparison Functional benefits	Social proof (ratings, evaluations, endorsements) Personalization Convenience united with sentimental attachment	Legitimacy and relatability Peer influence Instantaneous fulfilment

Adoption level of Digital Marketing	Negligible effect of influencer marketing More attentive to **email marketing, loyalty programs and informative content**	Highly receptive to **storytelling, influencer marketing and content marketing** Prefers brands that align with personal values (sustainability, ethics)	Distrusts traditional advertising Responds to **user-generated content, micro-influencers, memes and interactive formats** Values transparency and inclusivity
Challenges	Digital fatigue Price sensitivity due to economic pressures (student debt, housing costs)	Digital fatigue Price sensitivity due to economic pressures (student debt, housing costs)	Low brand loyalty High expectations for personalization and speed
Digital Identity	Functional	Expressive	Identity-centric
Trust Formation	Brand reputation	Social proof	Peer validation
Content Preference	Informative	Narrative-driven	Visual & interactive
Device Usage	Desktop + Mobile	Mobile-first	Mobile-only
Purchase Motivation	Value & reliability	Experience & values	Authenticity & speed
Brand Loyalty	High	Moderate	Low
Cognitive Processing	Engages in deliberate, rational evaluation	Balances rational and emotional decision-making	Relies on rapid, intuitive judgments
Social Influence	Minimal impact	Significant impact	Central to consumption
Risk Perception	High	Moderate	Low (but high sensitivity to social risk)
Managerial Implications	Emphasize trust, clarity and value propositions	Focus on personalization, storytelling and ethical branding	Leverage short-form content, community engagement and co-creation

7. Conclusion

The comparative analysis of Generation X, Generation Y and Generation Z discloses that digital consumption is not purely determined by technological accessibility but is penetratingly

implanted in consumer psychology fuelled by generational understandings, principles and socio-cultural backgrounds. While digital platforms offer unvarying access and functionality, consumer responses fluctuate evidently across generations due to differences in cognitive dispensation, emotional engagement, belief mechanisms and community impact.

Generation X's tactically approaches digital consumption with attentiveness, highlighting dependability, functionality and brand credibility. Generation Y validates an amalgamated consumption behaviour, merging balanced assessment with experiential and value-centric motivations, profoundly influenced by social proof and ethical orientation. In contrast, Generation Z reveals an extremely immersive and identity-based digital behaviour characterized by peer endorsement, legitimacy, swift decision-making and preference for collaborative and visual content.

The study confirms that generational distinctiveness plays a multidimensional role in determining digital consumer psychology, persuading not only purchase behaviour but also content preferences, platform usage and brand associations. For organizations operating in digital environments, a one-size-fits-all strategy is pointless. Instead, marketers must implement generation-specific engagement models that align with emotional drivers, belief creation progressions and digital conducts of each cohort. Future research may encompass this framework by integrating empirical endorsement, cross-cultural evaluations and the evolving stimulus of emergent technologies on generational digital consumption.

References

Asfarian, A., Sukmasetya, P., Ramadhan, D. A., Athoetan, S., Hutauruk, D. H., Anavyanto, A. F., Annisa, & Norowi, N. M. (2025). Investigating the use of digital consumption for responsible Ride-Hailing services in Indonesia Younger generations. *Khazanah Informatika Jurnal Ilmu Komputer Dan Informatika*, *10*(2), 111–120. https://doi.org/10.23917/khif.v10i2.3367

Brand, B. M., Rausch, T. M., & Brandel, J. (2022). The importance of sustainability aspects when purchasing online: Comparing Generation X and Generation Z. *Sustainability*, *14*(9), 5689. https://doi.org/10.3390/su14095689

Cochoy, F., Licoppe, C., McIntyre, M. P., & Sörum, N. (2020). Digitalizing consumer society: equipment and devices of digital consumption. *Journal of Cultural Economy*, *13*(1), 1–11. https://doi.org/10.1080/17530350.2019.1702576

"Gen Z: Catalysts of Change in multigenerational workplace through ESG, Innovation & Technology" presented in National Seminar on "Managing Growth with Responsibility: ESG, Technology and Innovation" organized by Faculty of Management Studies of Sri Sri University. (Dec 2025)

Istrate, R., Tulus, V., Grass, R. N., Vanbever, L., Stark, W. J., & Guillén-Gosálbez, G. (2024). The environmental sustainability of digital content consumption. *Nature Communications*, *15*(1). https://doi.org/10.1038/s41467-024-47621-w

Karpov, A. V., Karpov, A. A., & Volchenkova, A. A. (2025). Digitalization as a factor in the Socio-Psychological adaptation of students. *Changing Societies & Personalities*, *9*(3), 762–781. https://doi.org/10.15826/csp.2025.9.3.352

Lim, W. M., Kumar, S., Pandey, N., Verma, D., & Kumar, D. (2022). Evolution and trends in consumer behaviour: Insights from Journal of Consumer Behaviour. *Journal of Consumer Behaviour*, *22*(1), 217–232. https://doi.org/10.1002/cb.2118

Lissitsa, S., & Kol, O. (2019). Four generational cohorts and hedonic m-shopping: association between personality traits and purchase intention. *Electronic Commerce Research*, *21*(2), 545–570. https://doi.org/10.1007/s10660-019-09381-4

Mammadli, M. (2023). Factors driving sustainable consumption in Azerbaijan: Comparison of Generation X, Generation Y and Generation Z. *Sustainability*, *15*(20), 15159. https://doi.org/10.3390/su152015159

New age digital media consumption: An exploratory study based in India Dr. Rajat Sharma, Associate Professor, Marketing Indian Institute of Management Vastrapur, Ahmedabad, Gujarat 380 015 & Dr Vikash Gautam, Adjunct Fellow, Esya Centre B-40 First Floor Soami Nagar South, New Delhi – 110017

Rosário, A. T., & Dias, J. C. (2025). The Role of Digital Marketing in Shaping Sustainable Consumption: Insights from a Systematic Literature Review. *Sustainability*, *17*(17), 7784. https://doi.org/10.3390/su17177784

Saputra, A. A. (2024). Determinants of consumption behaviour among the millennial generation. *IJIIS International Journal of Informatics and Information Systems*, *7*(3), 123–134. https://doi.org/10.47738/ijiis.v7i3.216

Sirait, A., & Purnama, I. A. (2022). Generation X Consumption Behaviour Model in using Digital Transactions. *International Journal of Entrepreneurship Business and Creative Economy*, *2*(2), 8–15. https://doi.org/10.31098/ijebce.v2i2.794

Subudhi, R. (2022). Digital Consumption and Digital Diversity in India: Understanding our Digital Society. *SSRN Electronic Journal*. https://doi.org/10.2139/ssrn.4130170

The News Consumption of Digital Natives, Master's Thesis, Marketing Author: Suvi Valkama 20.12.2015, School of Business and Economics, University of Jyväskylä

The Role of Age and Life Course Stage in Digital Consumption, JYU Dissertation, Sanna Kuoppamäki, Open Science Centre, University of Jyväskylä

Umut, M. Ö. (2024). Examining the Relationship between Digital Literacy Levels and Online Purchase Intentions of Generation X, Y, and Z Consumers. *Güncel Pazarlama Yaklaşımları Ve Araştırmaları Dergisi*. https://doi.org/10.54439/gupayad.1495730

Tkaczyk, J. (2016). Digital Consumer: Trends and Challenges. In *The Impact of the digital world on Management and Marketing*.

Verma, K. (2025). Consumer Psychology in marketing. *RESEARCH REVIEW International Journal of Multidisciplinary*, *10*(6), 334–339. https://doi.org/10.31305/rrijm.2025.v10.n6.038

Zaelani, R., Taufikurohman, M. R., Astuti, S. Y., & Setiawan, E. (2025). Transformation of digital consumption patterns of millennials and Generation Z: Sustainable Creative Economy Growth in the Age of Technology. *International Journal of Advanced Technology and Social Sciences*, *3*(10), 1351–1366. https://doi.org/10.59890/ijatss.v3i10.117

Zhao, J., & Li, Q. (2023). The influence of Internet economy on consumer psychology in the post-epidemic era. *HTS Teologiese Studies / Theological Studies*, *79*(4). https://doi.org/10.4102/hts.v79i4.8839