Redefining Boundaries: The Impact Of Autonomous Intelligent Entities On The Power Dynamics Of Influencer Marketing

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Abstract

Technological evolution has introduced Autonomous Intelligent Entities (AIEs) into the heart of influencer marketing, precipitating a significant transformation in the power relations between brands, human influencers and consumers. This theoretical article aims to uncover how AIEs are reconfiguring the traditional value chain of influencer marketing, proposing a new paradigm in market interactions. Through a critical analysis based on theories of power and influence, as well as the study of human-computer interaction, the emerging role of AIEs as agents of change is explored. It addresses how these entities not only facilitate more efficient operational processes, but also create new forms of authority and influence, challenging the hegemony of human influencers and altering consumer expectations and behaviors. This paper identifies three main axes of change: the autonomization of influencer marketing, personalization on an unprecedented scale, and the redefinition of authenticity. It argues that AIEs, by operating in capacities ranging from content curation to direct interaction with consumers, are establishing new criteria for effectiveness and success in influencer marketing. In addition, the ethical, social and regulatory implications of this paradigm shift are discussed, highlighting the need for innovative governance that balances technological innovation with human rights and values. Finally, this study proposes a conceptual model that maps the emerging power dynamics, providing insights for academics, marketers and policymakers on how to navigate this new ecosystem. By filling theoretical and practical gaps, our analysis makes a significant contribution to the literature on influencer marketing, offering a robust basis for future research on the impact of EIAs on marketing and beyond. This work not only elevates academic understanding of the intersection between AI technology and marketing, but also guides strategic practice in an era defined by artificial intelligence.

Keywords: Autonomous Intelligent Entities (AIE), Influence Marketing, Personalization, Digital Ethics, Power Dynamics.

Date of Submission: 01-03-2024Date of Acceptance: 10-03-2024

I. Introduction

The intersection between Artificial Intelligence (AI) technology and influencer marketing marks a turning point in companies' communication and sales strategies, introducing a new player onto the digital scene: Autonomous Intelligent Entities (AIEs). Defined as AI systems capable of making decisions and carrying out actions independently, without the need for direct human intervention, AIEs represent not just a technological evolution, but a veritable revolution, reconfiguring the power dynamics between brands, human influencers and consumers (Vinogradov, 2022; Jiang et al., 2022). This article delves into this transformation, exploring how AIEs are redefining power relations in the influencer marketing ecosystem, with a critical look at the ethical, social and regulatory implications of this change.

The main research question guiding this study is: "How are Autonomous Intelligent Entities changing the power dynamics between brands, human influencers and consumers in influencer marketing?" To answer this question, the article aims to: (1) examine the role of AIEs in the influencer marketing value chain, (2) analyze the implications of these changes for power relations within the marketing ecosystem, and(3) discuss the ethical, social and regulatory consequences of this new dynamic.

The existing literature, as pointed out by Kaplan & Haenlein (2020), has focused on the capabilities and operational benefits of AIEs, while Casaló, Flavián, & Ibáñez- Sánchez (2020) highlight the impact of digital influencers on consumer behavior. However, a significant gap remains in the understanding of how EIAs reconfigure traditional power relations in influencer marketing. This study aims to fill this gap by contributing to the literature with a critical analysis of the emerging power dynamics between brands, influencers and consumers, mediated by AIEs.

The emergence of AIEs in influencer marketing raises questions about autonomy, consent and privacy. As highlighted by Floridi (2016), the autonomy of AIEs challenges traditional notions of responsibility and ethics in marketing. In addition, data privacy becomes an even more prominent concern, as discussed by Zuboff (2019), who criticizes the massive collection of personal data under the guise of innovation. This paper addresses these ethical concerns and seeks to delve into the need for transparency and fairness in EIA-mediated marketing practices, echoing concerns raised by Burrell (2016) about the opacity of algorithmic systems.

This work delves into a little-explored area of the intersection between AI and influencer marketing. Therefore, this study seeks to fill an important theoretical gap, providing a critical reflection on the far-reaching consequences of adopting AIE in influencer marketing, emphasizing the need for an ethical and responsible approach to this disruptive technological tool.

The structure of this theoretical article is designed to facilitate a comprehensive and in-depth understanding of the topic. Initially, a typological analysis of the influential entities that populate the hypervirtual ecosystem is developed. This is followed by a review of the fundamental theories of power and influence within the context of marketing. It then discusses the technological evolution of AIEs and their growing role in influencer marketing, highlighting the transformation of brands' communication strategies and interaction with consumers. A critical analysis of the changes in power dynamics is at the heart of the article, examining how AIEs are redefining the roles and expectations of human influencers and consumers. Finally, the ethical, social and regulatory implications of this new configuration are addressed, proposing future directions for research and practice.

II. Theoretical Reference

Eia As Mediators Of Influence: A New Category Of Influencers?

In today's digital marketing landscape, AIEs are emerging as a new force capable of influencing consumers' purchasing decisions (Saini, 2022). This evolution implies reconsidering the traditional typology of influencers, extending it to include human opinion leaders and other non-human entities capable of exerting influence (Yu et al., 2024). Katz and Lazarsfeld's (1955) seminal research on opinion leaders and the diffusion of innovations provides a starting point for this discussion, allowing us to explore how EIAs can fit into this spectrum of influence.

The evolution of influencer marketing reflects technological and social changes in consumer patterns. From human opinion leaders, recognized before the 1900s for their ability to influence purchasing decisions through their expertise, social standing or charisma, to future technological developments that promise to further revolutionize the field, the trajectory of influence marketing is marked by significant innovations (Saini, 2022; Yu et al., 2024).

Katz and Lazarsfeld (1955), with their Two-Step Communication Theory, and Rogers (1962), with the Diffusion of Innovations Theory, were pioneers in studying the impact of opinion leaders, highlighting the importance of these individuals in the flow of information within social networks and in shaping public opinion.

With the early 1900s, brands and corporate entities began to use their brand authority to influence consumers directly, a move that Aaker (1991) described as fundamental in strengthening brand identity and relationship marketing. The emergence of digital influencers in the late 2000s marked another significant shift, with content creators using digital platforms to influence specific audiences, a phenomenon that Schouten and McAlexander (1995) linked to perceived authenticity and community building.

The 2010s saw the rise of AIEs and virtual influencers, marking the beginning of an era of mass personalization and new forms of engagement, as described by Pine (1993) and explored from the perspective of social presence theory. Bots and conversational assistants have also emerged as important mediators of influence, highlighting the importance of human-computer interaction theories and conversational design principles in automating customer service and personalizing the user experience (Chen et al., 2022; Vinogradov, 2022).

Table 1 illustrates the evolution and impact of influencers, from human opinion leaders to future technological developments, highlighting their decades of emergence, definitions, operating ecosystems, impacts and implications, as well as additional theoretical considerations. This analysis highlights the diversity and complexity of the field of influencer marketing, and also underlines the importance of studies that address the transformations underway and those yet to come, as suggested by the emerging content in technology and society pointed out in Table 1.

Category	Decadeofemergenc	Definition	OperatingEcosyste	Impacts	Additional
	e		m	andimplications	TheoreticalConsiderati
					ons
HumanOpinionLeader s	Beforethe1900s	Individualswhoinfl uencepurchasingdec isions throughexpertise, socialpositionor charisma.	Social networks,blogs,face -to-faceevents.	Theyhaveadirectim pactonpurchasingde cisions, settingtrendsandlegi timizingproducts.	Katz andLazarsfeld(1955) - Two- stepcommunicationtheo ry; Rogers(1962) - Diffusionofinnovations theory.
BrandsandCorporate Entities	Early1900s	Companies thatuse their brandauthority toinfluenceconsume rs directly.	Digitaladvertising,c orporatewebsites, socialnetworks.	Strengtheningbrand identity,direct engagementwithcon sumers.	Aaker(1991)-Branding andrelationshipmarketi ng.
DigitalInfluencers	Late2000s	Content creatorswho usedigitalplatformst oinfluenceaspecific audience.	Social mediaplatforms,Yo uTube,blogs.	Personalization ofmarketing,creatio n ofconsumersubcult ures.	Schouten andMcAlexander(1995) -Perceivedauthenticity andcommunity building.

Table 1 - Evolution and Impact of Agents of Influence.

EIA	2010s	AI systems thatcananalyzedata, predict behaviorandgenerat epersonalized content.	Digitalenvironment s,metaverse, e- commerceplatforms	Masscustomization, new forms ofengagement andinteraction.	Pine(1993)- Masspersonalization;G DPR for ethicsand regulation inAI.
VirtualInfluencers	2010s	Computer- generated digitalcharacterswh ohaveapresenceons ocial networksandareable to influence likehumanbeings.	Social networks,video platforms,advertisin gcampaigns.	Theycreateemotion alconnections withthepublicandex plorenewmarketnic hes.	Social presencetheory; Horton andWohl (1956) - Parasocialrelationships.

In the context of the metaverse, the entities of influence shown in Table 1 take on new dimensions and possibilities, requiring a reassessment of marketing strategies and the theories that underpin them. Opinion leaders and human digital influencers, for example, find in the metaverse an expansion of their reach and capacity for engagement through avatars and virtual events, which highlights the importance of authenticity and social presence in digital environments. Brands and corporate entities, in turn, have explored the metaverse to create immersive and interactive brand experiences, such as Nike with the creation of Nikeland in Roblox, demonstrating the potential of branding in virtual environments (Torres et al., 2019; Santiago & Castelo, 2020).

Virtual influencers like Lil Miquela transcend the boundaries of the real and the virtual, engaging followers on multiple platforms and challenging traditional notions of authenticity and influence (Byun & Ahn, 2023). AIEs, with their ability to generate personalized content and predict behavior, are becoming key to creating personalized experiences at scale in the metaverse, highlighting the convergence between technology, personalization and user experience (Saini, 2022). Bots and conversational assistants are adapting to act as guides or virtual salespeople, broadening the scope of automation and human-computer interaction. These developments reflect the adaptive and innovative capacity of influencers in digital marketing and point to new directions in terms of engagement strategies, personalization and community building in the metaverse (Vinogradov, 2022; Chen et al., 2022; Yu et al., 2024).

From a theoretical point of view, according to the theory of mass personalization(Pine, 1993), AIEs have the potential to offer individualized experiences for consumers, thus increasing their influence. In addition, the ubiquitous nature of AIEs in the digital environment extends their reach, offering new opportunities to engage with diverse audiences (Vinogradov, 2022).

Authenticity, widely recognized as a fundamental building block for effective influence in marketing, faces complex challenges when applied to AIEs. Schouten and McAlexander's (1995) research highlights authenticity as a crucial element in consumer dynamics, especially with regard to subcultures, where the genuine connection between brands and consumers can significantly strengthen engagement and loyalty. In the universe of AIEs, the question of authenticity is challenging, since these entities do not have human experiences or emotions. However, examples such as H&M's chatbot, which personalizes fashion recommendations for its users based on their interactions (Precioso, 2019) demonstrate how AIEs' ability to produce content aligned with consumers' individual preferences can mitigate the absence of traditional authenticity.

This approach suggests a redefinition of authenticity, one that relies less on emotional genuineness and more on the accuracy and relevance of the personalization offered (Vinogradov, 2022). This new strand of authenticity, grounded in personalization and relevance, paves the way for significant managerial implications: brands can now leverage EIA technology to develop more affective and effective marketing strategies, even in the absence of direct human interactions. Thus, rather than replacing emotional authenticity, EIA complements it, creating a paradigm in which deep personalization and content relevance become the new metrics of authenticity in digital marketing (Dai, 2020; Murphy et al., 2021).

Furthermore, the effectiveness of AIEs in acting as autonomous influencers constitutes a pertinent field of research, particularly in the light of the theories of social influence outlined by Cialdini (1984). Cialdini (1984) identifies six fundamental principles of persuasion: reciprocity, commitment and consistency, social proof, authority, sympathy and scarcity. By applying these principles to the context of AIEs, it is possible to discern how these technologies can be employed to influence consumer decisions effectively.

For example, AIEs can apply the principle of social proof by collecting and analyzing consumer behavior data to generate personalized recommendations that appear to be endorsed by a large number of users (Murphy et al., 2021). This is evident in the way platforms such as Netflix use algorithms to suggest content based on what is popular among users with similar tastes (Nogueira, 2022), effectively applying digital social proof to influence viewing choices.

As for authority, AIEs programmed to simulate expert knowledge or to use data to back up their suggestions can be seen as more trustworthy and persuasive. IBM Watson, for example, offers data-driven insights that can aid decision-making in a range of areas, from healthcare to the financial sector (Sullivan, 2023), reinforcing the perceived authority of these AIEs.

Transparency in how AIEs are programmed to interact with users, as well as guarantees of privacy and data security, can increase consumer acceptance. In addition, the advanced personalization that AIEs can offer, closely aligning with consumers' individual preferences, can offset potential misgivings regarding a lack of humanity or emotional empathy (Vinogradov, 2022).

From a managerial point of view, companies developing and implementing EIA for marketing and sales should carefully consider how these technologies apply Cialdini's (1984) principles of persuasion, as well as the importance of building and maintaining consumer trust. This involves optimizing EIA's technical capabilities for personalization and predictive analytics, as well as focusing on the ethical consideration of how these interactions affect brand perception and long-term consumer loyalty.

As the emerging role of AIEs in the influencer marketing landscape is explored, the revolution that redefines who, or what, can be considered an influencer becomes clear, as well as the underlying dynamics of power and influence in the digital space. AIEs can predict consumer behaviour and generate personalized content, establishing a new paradigm of authenticity and persuasion, based on mass personalization and analytical precision (Chen et al., 2022).

This advance promises to profoundly alter marketing strategies, requiring an understanding of how power is built, negotiated and maintained in the digital universe. As we delve deeper into the complexities of digital marketing, we see that the rise of AIEs as mediators of influence is just the tip of the iceberg. The real question lies in how these changes are reshaping the ecosystems where brands, consumers and technologies interact, creating new challenges and opportunities to understand and mobilize power effectively in the virtual environment.

III. Power And Influence In Digital Marketing

Understanding the dynamics of power and influence in digital marketing is fundamental to deciphering the interaction between brands, influencers and consumers. The concept of power, historically associated with the ability to influence the behavior of others, finds in the digital environment the opportunity for its expansion and reconfiguration (Kaplan & Haenlein, 2010). The classic theories of power and influence, as outlined by French and Raven (1959), which identify bases of power as coercive, reward, legitimate, reference and expertise, are now challenged and expanded in the digital context.

In the digital environment, influence manifests itself through the ability to affect the perceptions, attitudes and online behaviors of an audience (Kozinets, de Valck, Wojnicki, & Wilner, 2010). Digital influencers, armed with social platforms, use these power bases to shape purchasing decisions, brand perceptions and consumer norms (Jin, Muqaddam, & Ryu, 2019). The emergence of AIEs, with their ability to generate content, interact with users and learn from past interactions, introduces a new layer of complexity to the traditional power dynamics in marketing.

The transition to digital has broadened the spectrum of referral power, previously limited to human influencers, to include AIEs capable of simulating social relationships and exerting influence on consumers (Van Dijck, 2013). This digital reference power, complemented by the algorithmic expertise of AIEs, reconfigures influencer marketing strategies, making them more personalized, interactive and effective. Expertise, another power base, is amplified by AIEs through big data analysis, enabling a deep and predictive understanding of consumer behavior (Boyd & Crawford, 2012).

Furthermore, AIEs challenge the notion of legitimate power in digital marketing. Traditionally associated with formal or institutional authority, legitimate power in the context of AIEs derives from their ability to offer consistent, secure and reliable user experiences, which are fundamental to building digital trust (Tussyadiah, 2020). The legitimacy of AIEs as influencers is therefore built on their effectiveness and reliability in delivering desired marketing results.

However, the use of EIA in influencer marketing is not without ethical challenges, especially in relation to coercive and reward power. The ability of AIEs to personalize offers and recommendations can inadvertently manipulate consumer preferences, raising questions about consumer autonomy and informed consent (Martin, 2019).

The mass personalization made possible by AIEs offers unprecedented opportunities for influencer marketing, while raising questions about consumer privacy and individuality (Zuboff, 2019). In addition, the ability of AIEs to analyze large volumes of data in real time and provide behavioral insights allows for more precise audience segmentation and content personalization than ever before (Huang & Rust, 2018).

This capacity for customization increases the power of brands to influence, while at the same time transforming consumer expectations, which come to expect increasingly personalized and relevant consumer

experiences. However, this expectation is accompanied by a growing concern about privacy and data security, as consumers become increasingly aware of how their information is collected, analyzed and used (Martin & Murphy, 2017).

The intersection between AIE technology and influencer marketing also highlights the evolution of the power of expertise. AIEs, with their learning and AI capabilities, have almost unlimited potential for analyzing trends, predicting consumer behavior and optimizing marketing strategies. This algorithmic expertise redefines the notion of authority in the digital space, shifting the focus from human influence to the precision and efficiency of machines (Davenport, Guha, Grewal, & Bressgott, 2020).

However, the effectiveness of AIEs as digital influencers depends on their ability to generate trust among consumers. Authenticity, considered a pillar of effective influence in digital marketing, faces new challenges in the context of AIEs. The creation of AI-generated content that is indistinguishable from human content raises fundamental questions about the nature of authenticity and trust in the digital age (Spence, 2020).

Therefore, as AIEs continue to evolve and become more deeply integrated into influencer marketing strategies, it is crucial that academics and practitioners consider the opportunities offered by these technologies, as well as the ethical and social challenges that accompany their adoption. The need for clear, transparent and fair regulations has never been greater, aiming to ensure that the power of AIEs is used responsibly, promoting consumer welfare and maintaining the integrity of the digital space (Taddeo & Floridi, 2018).

In this way, the evolution of the virtual context and digital platforms has broadened the horizons of marketing, allowing brands and individuals to reach global audiences. This democratization of influence highlights the growing importance of technology as a mediator of power relations between brands, consumers and now, non- human entities.

This context leads to the emergence of new players in the marketing ecosystem, whose ability to process information and interact with users in real time redefines consumer expectations and experiences. The introduction of these autonomous entities promises greater personalization and efficiency, as well as raising questions about the nature of influence and authenticity in the digital age, signalling a new chapter in the evolution of influencer marketing, where AI becomes an active participant, challenging traditional paradigms of power by developing disruptive innovations in engagement and communication.

IV. Rise Of Autonomous Intelligent Entities

The rise of AIEs marks a turning point at the intersection of technology and influencer marketing, reflecting unprecedented advances in AI, natural language processing and big data analysis. Theorists such as Pine and Gilmore (1999), when discussing the experience economy, anticipated a world where personalization and customer experience become central, an omen that finds its realization in the capabilities of AIEs. The ability of these technologies to learn, adapt and make decisions independently redefines the effectiveness of marketing strategies, challenging brands to rethink how they engage with their audiences. For example, the implementation of AI-based chatbots by companies such as Sephora to offer personalized beauty consultations highlights how big data analysis can be used to create more meaningful and personalized interactions with consumers (Collins, 2023).

Similarly, the development of virtual assistants such as Amazon's Alexa demonstrates the ability of AIEs to influence purchasing decisions through real-time interaction based on vast repositories of user data and preferences (Leikas et al., 2019). These examples illustrate the practical applicability of the theories discussed by Kaplan and Haenlein (2019), which emphasize the need to humanize AI to create deeper connections with consumers, and highlight the managerial implications for brands in the digital age: the need to integrate advanced technologies into their marketing strategies to maintain relevance and competitiveness. Thus, Table 2 demonstrates that the emergence of AIE in influencer marketing is not only a testament to technological progress, but also a call for brands to explore new frontiers in creating authentic and engaging consumer experiences.

TimeFrame	Technology	Impactson	Ethicaland	TheoreticalContrib	Practicalimplications
		InfluencerMarketi	StrategicChallenge	utions	
		ng	S		
1950	Turing'sproposition	Theoreticalfoundati	Reflection on	Basisforunderstandi	Initial
	ofAI	on	thesimulation	ng Alanditspotential	inspirationforautomationand
		forEIAdevelopment	ofhumanthoughtby		Alinmarketing
			machines		
Until2019	Advances in	Improvedselection	Concerns	Rationalefordevelop	Moreeffectiveandpersonalize
	AI, machine	ofinfluencers, person	aboutauthenticity	ing EIAand its	dmarketingstrategies
	learning,PLN, big	alization of content,	andtransparency	applicationinmarket	
	dataanalysis	precisemeasurement	inbrandcommunicat	ing	
		of	ion		
		campaigneffectivene			

 Table 2 - Chronology and Impact of Emerging Technologies on InfluenceMarketing.

			r		
		SS			
2018	Research	EIAasactiveparticip	Questions	Arguments about the	Implementing EIAfor
	byHuang&RustonA	antsinthedeliveryofp	aboutactiveEIAparti	transformationof the	personalizedconsumerexperi
	I in	ersonalizedconsume	cipation	essence ofservices	ences
	servicesmarketing	r	andextremepersonal	marketingbyAI	
		experiences	ization		
2012	Boyd&Crawford'sdi	Using largevolumes	Debate on	Criticalperspectives	Data-
	scussiononbigdata	of data tosegment	privacy,data	ontheroleofbigdatai	drivenmarketingapproaches
		audiencesandcreatep	security andethical	n the digitalsociety	andtrendanalysis
		ersonalized	analysis		
		strategies	ofinformation		
2020	Authenticitydebateb	Challenges to	Ethical	Reflections on	Guidelines for theethical use
	ySpence	thenotion	concernsabout	thevalueofauthentici	of EIAincontentcreation
		ofauthenticitywith	consumermanipulati	tyin	
		EIA contentcreation	onand	brandcommunication	
			clarityofcommunicat		
			ion		
Contemporary	RegulationsuchasG	Increasedconcernab	Continuouschalleng	Discussion	Adaptingmarketingpracticest
	DPR	out the privacyand	estoexistingregulati	onethicalresponsibili	oregulatoryprivacyrequireme
		securityofdatacollec	ons due	ty and protection	nts
		tedbyEIA	totherapidevolution	ofconsumerprivacy	
			ofEIAs		
Thenearfuture	Transforming	Change in	Questionsaboutthef	Theoriesonautomati	Developing skillsfor
	theworkofinfluencer	thenatureofinfluenci	utureofworkand the	onanditsimpact on	effectivecollaboration
	S	ng	impact	thelabormarket	withEIA
		workduetocollaborat	ontheinfluencerindu		
		ionwith	stry		
		EIA			
FutureResearch	Application	Platform fortesting	Needforresponsiblet	Argumentsinfavor	Valuable
	ofEIAinmarketingre	theoriesand	echnologicalinnovat		insightsforacademicsandprof
	search	developingnew	ion	theimportanceofdigi	essionalsthrough
		approachesbasedond		tal	thesimulation of purchasing
		ata	ofsocialimplications	toolsinmarketingrese	behaviors
				arch	

As shown in Table 2, the trajectory of influencer marketing over the decadesreveals an evolution marked by significant technological innovations. Alan Turing'sproposition of AI in 1950 established the theoretical foundation for the development of EIA, instigating ongoing reflection on the simulation of human thought by machines, abasis for understanding the potential of AI that inspired the first forays into automationandAIinmarketing (Turing,1950;Byun&Ahn,2023).

In 2018, research by Huang and Rust (2018) solidified the role of AIEs as active participants in the delivery of personalized consumer experiences, raising questions about the active participation of AIEs and extreme personalization. This work argued that AI istransforming the essence of services marketing, facilitating the implementation of AIEsforpersonalized consumer experiences (Huang&Rust, 2018).

As we move into 2019, we see the maturation of advances in AI, machine learning, natural language processing (NLP), and big data analytics, which have been instrumentalin improving influencer selection, personalizing content, and measuring the effectiveness of marketing campaigns with unprecedented precision. These developments have brought with the msignificant ethical and strategic challenges, especially interms of authenticity and transparency in brand communication, requiring arational effort hedevelopment and application of EIA inmarketing (Kaplan & Hae nlein, 2019).

The discussion on big data by Boyd and Crawford (2012), and the debate onauthenticity by Spence (2020), illustrate the contemporary challenges facing influencermarketing, from the ethical management of vast volumes of data to the preservation of authenticity in the age of AIEs. These discussions bring to the fore concerns about dataprivacy and security, as well as underlining the need to adapt marketing practices toregulatory privacy requirements, as exemplified by the GDPR (Boyd & Crawford, 2012;Spence,2020).

In terms of trends, the transformation of influencers' work due to collaboration with EIA represents a significant shift in the industry, indicating the need to develop skills for effective collaboration with EIA. This scenario suggests a richfield for futureresearch, where the application of EIA in marketing research can offer a platform fortesting theories and developing data-driven approaches, highlighting the importance of digital tools in marketing research (Kaplan & Haenlein, 2020).

As we witness the	rise of AIEs on	the influencer	marketing scene, a	in inflectionpoint	is emerging
where the interaction betwee	een technology	and humanity	is redefiningmarke	ting strategies, as	well as the
very structures	of	power	and	influence	that

underpinthedigitalecosystem. This transformation, driven by the ability of AIE stoanalyzed at a, predict behavior and dpersonalize content, proposes an ewera of engagement and interactivity. However, as these autonomous entities become increasingly influential mediators in the relationship between brands and consumers, critical questions are emerging about how the power dynamic is being reconfigured in this new context.

The boundaries between human content creators and artificial intelligences arebeginningtoblur, challenging our pre-existing notions of authenticity, influence and the very essence of brand communication. This scenario encourages us to further explorehow AIEs are altering traditional relationships in influencer marketing, signaling futurewhereunderstandingandnavigatingpowerdynamicswillrequireinnovativestrategies.

V. Redefining Relationships: Eia And The Power Dynamics Between Brands, Influencers And Consumers

The era of AIEs is ushering in a new phase in influencer marketing, redefining the existing power structures between brands, influencers and consumers. This technological revolution transforms engagement placing AIEs strategies. as protagonists capable of analyzing consumer behaviors with unparalleled precision, predicting trends and generating content that resonates in a personalized wav with the target audience. Thisevolution, as explored by Huangand Rust (2018), highlights the potential of AIE stoactnot only as optimization tools, but influential entities that initiate as can dialogues andshapebrandperceptioninpreviouslyunexploredways.Theintroductionoftheseautonomous capabilities challenges traditional paradigms, collaborationbetween suggesting а artificialintelligenceandhumanintelligencetocreatearicher and more engaging marketing experience. This advance puts into perspective then eed for a dapted ethical and regula in the second sectoryapproaches, as discussed by Floridiand Cowls (2019), to ensure that the implementation of AIEs benefits all

stakeholders in a fair and transparent manner, paving the way for an evera of digital interactions. An example of this transformation can be seen in Microsoft's implementation of the "Tay" chatbot, which, despite its initial challenges, illustrates the potential of AIEs to engage with the public in complex and humanized ways (Moreira, 2016). Similarly, L'Oréal used AIE to create an augmented reality experience that allows consumers tovirtually try on different make-up products, significantly amplifying their influence on the consumer's purchasing decision (Marr, 2019). These real-life examples highlight the ability of AIEs to perform tasks previously exclusive to humans, as well as the need tore-evaluatemarketing strategies to incorporate the set consolidates and the set of the set

Brands now face the challenge of integrating AIE into their strategies in a waythat complements and extends human influence, rather than simply replacing it. Thisrequires an understanding of the capabilities of EIA, as well as a consideration of theethical implications of its implementation, as discussed by Spence (2020), who stresses the importance of authenticity in the digital age. Managing consumer perceptions of theauthenticityandtransparencyofAIgeneratedcontentbecomescrucial,asdoesnavigatingtheevolvingexpectationsofhumaninfluencers,whomayse ethesetechnologiesasbothtoolsandcompetitors.

Historically, brands exercised almost absolute control over marketing messages, orchestrating how, when and where their messages would be broadcast. This paradigmbegan to change with the rise of social media, which, according to Kaplan and Haenlein(2010), relocated the center of gravity of marketing from companies to

consumers, promoting an eraof direct interaction and engagement. The introduction of EIA accelerated this democratization, empowering influencers and consumers to actively participate in the creation and dissemination of content.

A concrete example of this transformation can be seen in the e-commerce platformAlibaba, which uses EIA togenerate personalized product descriptions based on consumers' shopping interests, allowing brands and consumers to co-create the shopping experience (He, 2021).

This evolution occurs because AIEs offer the ability to process and analyze dataon a previously limited scale, allowing for a deeper understanding of consumers' wants and needs (Yu et al., 2024). Thus, brands can adapt more quickly to changes in consumerbehavior, while influencers can adjust their content strategies to align more closely with their audience's preferences.

Moreover, this shift reflects a growing demand for authenticity and personalization in digital interactions, with consumers looking for brands and influencers that understand their individual needs and communicate in a genuine and relevant way. On the other hand, influencers, who have gained their position of power through their ability to generate authentic content and engage followers, now find themselves in a position where AIEs can mimic this authenticity and accurately analyze/predict audiencepreferences. Kietzmann et al.

(2018) explore how technology is redefining the concept of authenticity online, suggesting that AIEs can play a crucial role in shaping perceptions of authenticity and trust.

While this empowers consumers by offering themproducts and experiencesmorein line with their individual preferences, it also calls into question how much personaldata is being shared and how this data is used to influence their purchasing behavior.Zuboff's (2019) discussion of surveillance capitalism highlights that the accumulation and analysis of personal data by EIAs can lead to a form of market influence that crossestraditionalethicalboundaries. However, the consequences of not adequately addressing these issues can besignificant, including the erosion of consumer trust and increased regulatory scrutiny. Therefore, the managerial implications of the rise of EIA in influencer marketing requirescompanies to take a balanced approach that prioritizes ethics in data collection and use,transparency in marketing practices and adherence to privacy regulations, while seekingtomaximizethepersonalizationpotentialofferedbytheseadvancedtechnologies.

In addition, the power relations that are being redefined by AIE make way for anew era of transparency, where the ability to influence will be based on the intersectionbetween AI and human intelligence. Denegri-Knott and Molesworth's (2010) researchinto the digitalization of consumption suggests that the interaction between digitaltechnologies and consumers is creating new forms of value and meaning, a concept that is amplified by the integration of AIEs into influence marketing.

Westin's(1967)workonprivacyand freedom shedslightonthedelicate balancethatmustbemaintainedbetweenusingdataforpersonalizationpurposesandsafeguarding individual rights to privacy, a debate that has become even more pertinentin the digital age. Westin (1967) argues that privacy is fundamental to personal autonomyand human dignity, establishing a theoretical framework that highlights the critical needto protect private spaces from unauthorized intrusion. This argument takes on a newdimension in the context of the rise of EIA and data-driven marketing practices, wherethe massive information collection and analysis of personal can easilv transgress ethicalboundariesifnotproperlymanaged.

Inpractice, the implications of this balance are profound for organizations navigating the boundary between offering highly personalized services and maintaining consumer trust. The implementation of regulations such as the GDPR and the CCPA (California Consumer Privacy Act) reflects a legislative response to the concerns raised by Westin (1967), requiring companies to be unprecedentedly transparent about how consumer data is collected, used and shared.

Leading companies in the use of advanced technologies, such as Amazon andGoogle, exemplify how personalization can be achieved while respecting user privacy.Forexample,Amazonusesrecommendationalgorithmstopersonalizetheonlineshopping experience, while providing users with robust controls over their personalinformation. Similarly, Google offers detailed privacy options to allow users to controlthetypeofdatathatiscollectedaboutthem.

Westin's (1967) contribution to the discussion on privacy established a theoreticalbasis that continues to influence modern management practices, highlighting the need forcompanies to develop data strategies that not only comply with current regulations, butalso respect thefundamentalvalues of privacy and freedom. Therefore, at the intersection of personalization and privacy lies an ongoing challenge for organizations: finding a paththat respects consumers' individual rights while exploiting the potential of data to createrichand meaning fulus erespects.

Inaddition,thegrowingabilityofAIEstocreatecontentthatisindistinguishable from that created by humans raises questions about authenticity and trust. The concept of "parasocial interaction", discussed by Horton and Wohl (1956), becomes increasingly relevant in this context, as consumers form relationships with non-human entities. These parasocial interactions with AIEs can fundamentally alter the nature of influence inmarketing, challenging traditional notions of credibility and persuasion.

Pierre Bourdieu (1986), in his theory of cultural capital, sheds light on the complexity of social and economic interactions, suggesting that differential access toadvanced technologies such as AIEs can deepen the gaps between different socio-economicstrata. Concrete examples of this disparity can be seen in the limited access to device and high-speed internet connections in low-

incomecommunities, which consequently restricts the ability of these groups to take full advantage of the innovations provided by AIEs in personalized consumer experiences. Thus, digital inclusion emerges as an ethical imperative, essential for democratizing access to the benefits offered by AIEs in influencer marketing, ensuring that these advances are shared more equitably among different segments of the population.

Inaddition, the ethical adoption of EIA in influencer marketing demands regulatory and ethical guidelines, guided by governance that puts consumer welfare and market equity at the heart of its concerns (Vinogradov, 2022). The transition to more personalized, data-driven marketing strategies reflects a break through in how companies can meet consumers 'needs and desires more effectively and efficiently.

This towards personalization at scale promises enhance the move to consumerexperienceandchallengesorganizationstorethinktheirapproachestocustomerengagement. As we move into this new phase, it becomes indispensable to further explorehow EIA can be harnessed to unlock this competitive edge, highlighting the need for adeep understanding of the mechanisms through which personalization can be

a chieved and optimized, while ensuring that consumer integrity and privacy are maintained.

VI. Customization At Scale: The Competitive Edge Provided By Eia

The transition to the digital age has ushered in an era of innovation in marketingstrategies, where personalization at scale has become a competitive differentiator and acentralrequirementforthesuccessofbrands. AIEs are protagonists of this transformation, redefining influencer marketing through the use of advanced algorithms capable of analyzing vast data sets to identify patterns of consumer behavior,

predictfuturepreferencesandpersonalizemessageswithunprecedentedprecisionandefficiency. Kaplan and Haenlein (2019) highlight the importance of AI in marketing, pointing out how the ability to personalize at scale can radically transform the interactionbetweenbrandsandconsumers, offering aricher and more engaging experience.

In the context of the metaverse, this capacity for personalization takes on a newdimension. AIEs allow brands to create immersive and highly personalized experiences that transcend the traditional boundaries of digital marketing. This evolution in marketingstrategies, empowered by AIEs, requires brands to re-

evaluate their approaches to consumereng agement. Fjeldetal. (2020) discuss the ethical implications of AI, highlig hting the importance of considering consumer privacy and autonomy when developing personalized marketing strategies. Thus, the ability of AIE stooff erpersonalization at scale represents an opport unity for brands to connect with their audiences in more meaningful and effective ways, especially in the emerging metaverses pace, where the possibilities for interaction and engagement are infinitely expanded.

Peppers and Rogers' (1997) vision of one-to-one marketing was revolutionary,heralding an era of personalization in the relationship between brands and consumers.Today, that vision has not only materialized, but has been amplified by the advancedcapabilities of AIE. These technologies have turned prediction into reality, enablingmarketing strategies that combine scale with deep personalization. Using algorithms and predictive analytics, AIEs are able to understand and anticipate consumer needs and preferences.

AnexampleofthistransformationisAmazon'sapproachtotheuseofpersonalized recommendations. The e-commerce company uses algorithms to analyzeusers'purchasehistory,searchesandbrowsingbehavior,creatingpersonalizedproduct recommendations that increase relevance for the consumer and, consequently, salesconversion(Linden,Smith,and York,2003).

In addition, platforms such as Netflix and Spotify have taken personalization tonew heights, using EIA to curate content that individually resonates with each user's tastesand preferences. Netflix, for example, recommends films and series based on previousviewings, as well as customizing the thumbnails of titles to attract the attention ofdifferent users, a testament to the power of data-driven personalization (Gomez-UribeandHunt,2016).

The ability of AIEs to dynamically adjust content and messages in real time, basedona complexmatrixofuserdata,fulfillsthepromiseofone-to-one marketingandsetsanew standard for consumer engagement. This level of personalization improves the userexperience and represents a significant competitive differentiatorfor the brands that adoptit. Integrating technologies such as voice recognition and augmented reality (AR) into marketing strategies enables even richer and more interactive experiences. For example, the use of AR by retail brands allows consumers to view products in their own space before purchase, offering a personalized and immersive shopping experience that increases customer confidence and satisfaction.

This evolution reflects a paradigm shift in marketing, where the ability to offertruly personalized andmeaningfulcommunications has become atangible reality, thanksto the advancement of EIA. The future promises an era of hyper-personalization, whereevery interaction between brand and consumer will be unique, predicting a continuationofthevisionaryjourney begun byPeppersand Rogers(1997). Inaddition,Fogg's(2003) researchonPersuasiveComputingsuggeststhattechnologies can be designed to change attitudes and behaviors. AIEs, by offering highlypersonalized brand experiences, satisfy consumer needs more efficiently, influencingpurchasingdecisionsandstrengtheningbrandloyalty.

The concept of digital fluidity, as explored by Van Dijk (2012), is particularlypertinent in this context. The notion that digital technology permeates all aspects of everyday life finds expression in the application of EIA in marketing strategies. As theboundaries between online and offline become

increasingly blurred, EIA facilitates acontinuousandcontextuallyrichinteractionbetweenbrands and consumers. This interaction is not confined to traditional touchpoints; instead, it extends across amultitude of platforms and devices, reflecting the ubiquity of the digital experience.

Inadditiontodigitalfluidity,theLongTailtheory(Anderson,2006)emphasizesthat the importance of niche markets in a digital economy is amplified by the ability of AIEs to cater to highly specific interests at scale. This phenomenon challenges thetraditional focus on mass markets, and also suggests a reconfiguration of the principlesofmarketsegmentation,wherepersonalizationreachesa degreeofgranularitythatturnseachconsumerintoamarketsegmentoftheirown.

The volution of EIA ininfluencer marketing signals a fundamental transformation in the relationship between brands and consumers. The transition from marketing strategies based ongeneral assumptions about consumer behavior to approaches founded on an intimate and dynamic understanding of individual preferences reflects a paradigmatic shift. This shift raises consumer expectations of personalization and sets a new standard for value creation in the digital ecosystem. As the unlimited potential of AIE is explored, it becomes necessary for technological advancement to be balanced with ethical considerations, ensuring that the era of personalization at scale is marked by innovations that enrich the human experience in a responsible and sustainable way.

VII. Ethical Implications Of Eia Autonomy: Navigating Between Innovation And Responsibility

The emergence of AIEs in the field of influencermarketing brings with it aseries of ethical challenges that span data privacy, consumer consent and, more broadly, theautonomy of technology. As these entities begin to play increasingly significant roles inmediating relationships between brands and consumers, it becomes relevant to addresstheethicalimplicationsoftheirautonomous actions.

Bostrom(2014)andFloridi(2016)addresstheethicalimplicationsofAldevelopmentandimplementatio n,stressingtheimperativeofaligningmachineoperations with ethical principles that reflect human values. This concern is particularlypertinentinmarketing,wherepersonalizationandsegmentationrelyheavilyonsensitiveconsumerdat

particularly pertinentinmarketing, where personalization and segmentation rely heavily on sensitive consumer dat a.

In addition to the concerns raised by Bostrom and Floridi, the theory of distributed thical responsibility offers an additional lens for examining the implementation of EIAinmarketing. This theory, discussed by Johnson (2006), suggests that incomplex technological systems, ethical responsibility should not fall exclusively on the creators of the technologies, but be distributed among all the agents involved, including developers, users and regulators. This implies a need for collaborative frameworks that guarantee the ethical governance of EIA, especially with regard to the collection, use and consent of consumerdata.

The integration of ethical principles in the development and implementation of EIA in marketing also highlights the importance of approaches such as ethical design, proposed by Friedman and Kahn (2003), which emphasizes the incorporation of ethicalvalues early in the design process of technologies. This includes considerations of howEIA can influence user autonomy, informed consent and data privacy, ensuring that marketing strategies respect consumer rights and strengthent rust in the brand-consumer relationship.

Furthermore, the issue of consumer consent in interactions mediated by AIEs is further complicated by the ability of these entities to subtly influence consumer decisions.Kahneman(2011)andThalerandSunstein(2008)discuss the importance of understanding how preferen cesare formed and manipulated, especially indigital environments, where AIEs can design hyper-

personalized experiences that shape consumer behavior in previously unfeasible ways. Thus, Fjeld et al. (2020) propose a set of ethical principles for AI that includes responsibility, explainability and fairness, which could serve as a foundation for the responsible development of EIA in influencer marketing.

Transparency, in particular, is essential to maintaining consumer trust in anincreasingly automated environment. Consumers have the right to know when they areinteracting with EIA and how their data is being used to influence their purchasingdecisions. The "blackbox" concept in AI, where machine decision-making processes arenot easily understood by humans, highlights the need to develop AIEs that are effective, recognizable and explainable. Burrell's (2016) work on opacity in algorithmic systemsreinforces the importance of explainability as a key component for trust and account ability in AItechnologies.

Furthermore, the issue of fairness arises when considering the potential of EIA toperpetuateorevenwidenexistinginequalities.The useof

historicaldatatotrainalgorithmscanleadtobiasedresults,reinforcingstereotypesand discriminatingagainstcertain groups. Barocas and Selbst's (2016) work on algorithmic discrimination

offerscrucial insight into how data collection and use practices can lead to injustice, underliningtheneedforethical approaches that prioritize equity and inclusion.

ThegrowingautonomyofAIEsalsoraisesquestionsaboutresponsibilityincasesof failure or damage. As the lines between decisions made by humans and machinesbecome increasingly blurred, assigning responsibility becomes a challenge. Floridi et al.'s(2018) research into the ethics of AI suggests that a new framework of responsibility isneeded, one that can accommodate the complexity of interactions between humans andautonomoussystems.

Table 3 serves as a comprehensive map distilling the main elements, relevant theories, ethical and practical challenges, and suggestions for responsible practice within the domain of AIEs in influencer marketing. By exploring crucial categories such as EIA autonomy, data privacy, consent, transparency and fairness, accountability, as well as ethics and governance, it outlines an essential compendium for a cogent discussion on their ethical applications and regulation.

Category	KeyElements	Relevant	Ethicalandpracticalchalleng	SuggestionsforResponsible
		Authors&Theories	es	Practice
EIAautonomy	Decisionswithout	Bostrom(2014),	Ethicalresponsibilityin	DevelopingEIA
	humanintervention	Floridi(2016)	marketingscenarios	inlinewithhuman
				valuesandethicalprinciples
Dataprivacy	Collection and use	GDPR,Zuboff(2019),V	Protection against theerosion	Implementstrictconsentstan
	ofpersonal data	anDijck	of	dards;constant monitoring
		(2013)	privacy;transparentandfairdat	of datamanagementpractices
			а	
			management	
Consent	Informedandtransparentc	Kahneman(2011), Thale	Prevention of	Adopt approaches that
	onsent	r&Sunstein	unwantedmanipulation;guaran	ensure
		(2008)		fulltransparencyintheconsen
			informedconsent	tprocess
TransparencyandJustic	UnderstandingEIA	Burrell(2016),	Developingexplainable	Prioritizethedevelopmentof
e	decision-makingprocesses	Barocas&Selbst(2016)	EIAs; avoiding	explainable systems;
			biasedresultsanddiscriminatio	implementpracticesthatpro
			n	mote equity
Responsibility	Assigningresponsibility	Floridietal.(2018)	Definingresponsibilities	Developing a new
	in theeventoffaultsor		ininteractionsbetweenhumans	framework
	damage		andautonomous	ofresponsibilitythataccomm
			systems	odatesthe
				complexityofinteractions
				betweenhumansandEIAs
Ethics and Governance	EthicalprinciplesforAI;	Fjeldetal.(2020)	Ensuringthatinnovationisethic	Fostering collaboration
	regulations		al, responsible	betweenacademics, industry,
	andgovernancepractices		andalignedwithhumanvalues	politiciansandcivil
				societytodevelopethical
				standardsandregulations

Table 3 - Ethical	Challenges and S	Strategies for Resi	ponsibility in AI	Technologies Apr	lied to Marketing.

ThiscompendiumsynthesizesthecontributionsoftheoristssuchasBostrom(2014)andFloridi(2016),wh odiscusstheautonomyofAIEsandtheunderlyingethicalchallenges,aswellas incorporatingelementsondataprivacyinlightoftheGDPRandtheorizationsbyZuboff(2019)andVanDijck(2013).Furthermore,inaddressinginformedand transparentconsent, itevokes thebehavioraltheories of

Kahneman(2011)andThaler&Sunstein(2008),whilehighlightingtheneedfortransparencyandfairnessthroughth eanalysesofBurrell(2016)andBarocas&Selbst(2016).

The complexity of assigning responsibility in interactions between human sandautonomous systems is mean structure of the stticulouslyexaminedwithreferencetoFloridietal.(2018), culminatinginthediscussion onethics and governance, supported bv the contributions of Fieldet al. (2020). Therefore, as we explore the vast potential of EIA in influence marketing, it is important to do so with an aware the second nessoftheethicalimplicationsinvolved.Buildingsystemsthatrespectprivacy,guaranteeinformedconsent,promo tetransparencyandexplainability, and prioritize iustice and fairness is not only an ethical obligation, but a practical necessity to maintain trust and legitimacy in the use of EIA is a structure of the structureninfluence marketing(Vinogradov,2022;Jiangetal.,2022).

The ability of these technologies to operate independently, while offering potential benefits, calls for deep reflection on how to ensure that they align with fundamental human values and ethical principles. This ethical challenge highlights the need for a reflexive approach to the implementation of EIA, and also foreshadows the critical importance of robust regulatory and governance frameworks that can guide and shape the use of these technologies in influence marketing (Vinogradov, 2022).

As we move to the next stage of this exploration, attention turns to how these frameworks can be established and adapted to promote responsible integration of EIA, ensuring that technological innovation

thrives within a framework that protects and respects the rights and dignity of all involved. This way forward requires interdisciplinary collaboration, joining forces to create a balance between technological advancement and ethical responsibility, paving the way for influencer marketing practices that are not only effective, but also ethical and fair.

VIII. Regulation And Governance In The Use Of Eia In Influencer Marketing

The rise of AIEs in influencer marketing represents an urgent need for proper regulation and governance to ensure that technological innovation is balanced with consumer protection and rights. The complexity of AIEs, combined with their potential impact on privacy, authenticity of communication and autonomous decision-making, requires a careful and considered approach to regulation and governance.

The existing literature on the regulation of emerging technologies provides a solid basis for exploring these issues. For example, Lessig (1999) argues that regulation can be achieved through four modalities: laws, social norms, the market and technological architecture. This framework can be applied to the context of EIAs, suggesting that a specific approach is needed to effectively regulate these technologies in influence marketing.

Legal regulation plays a role in outlining the operational parameters for AIEs, ensuring the protection of consumer rights while promoting fairness and equity in the digital environment. In addition to the European Union's General Data Protection Regulation (GDPR), a landmark in data privacy legislation, there are other regulatory initiatives around the world that reflect the need for a comprehensive and adaptable regulatory framework. For example, China's Personal Information Protection Law (PIPL) and the California Consumer Privacy Act (CCPA) in the United States are efforts to address similar challenges in different jurisdictions, each adapted to their specific needs and contexts.

These regulations have managerial implications, requiring companies to re- evaluate their data collection, storage and processing practices to ensure compliance. The need for transparency and explicit consent from users, along with the right to access and delete their data, imposes new responsibilities and operational challenges on organizations.

The dynamic and autonomous nature of EIA, however, poses an additional challenge to regulation, highlighting the need for laws that set limits and are capable of adapting to the rapid pace of technological innovation. This implies a regulatory model that can evolve, incorporating feedback mechanisms and continuous revision, to ensure that guidelines remain relevant and effective in the face of the advance of EIA. Therefore, collaboration between legislators, academics, industry and civil society is essential to develop regulations that balance innovation and consumer protection in an increasingly complex digital ecosystem.

In addition to laws, social norms and ethics play a crucial role in regulating EIA. Public acceptance of EIA in influencer marketing depends on the development of clear ethical standards that guide the creation and use of these technologies. A more profound example of this issue can be seen in the use of EIA to create artificially generated content, such as deepfakes, which raises concerns about the veracity and trust of information disseminated online. This technology can be used to create highly personalized and persuasive marketing messages, but it can also be employed unethically to mislead consumers by manipulating their perceptions of products, services or brands.

Another area that requires an ethical deepening is the use of personalized recommendation algorithms. While these algorithms can improve the user experience by providing relevant and personalized content, they can also perpetuate filter bubbles and polarization, limiting consumer exposure to a diverse range of products and ideas. This calls into question the responsibility of companies to promote a diversity of choices and avoid indirect manipulation of consumer decisions.

The market is also a powerful force in regulating EIAs, with consumers and companies playing active roles. Consumers can exert pressure on companies to adopt responsible practices, while companies can differentiate themselves through commitments to ethics and transparency in the use of EIA. Self-regulatory initiatives and industry standards can complement legal regulation, offering flexibility and adaptability (Haufler, 2001). On the company side, some stand out for integrating AI ethics into their core business. For example, Salesforce introduced the "Office of Ethical and Humane Use of Technology", which aims to guide the company in creating technologies that respect fundamental ethical principles. This initiative differentiates Salesforce in a competitive market, setting a benchmark for other companies in the technology sector.

In addition, coalitions and partnerships between companies have emerged to establish shared ethical standards. The "Partnership on AI", which includes companies such as Google, Amazon, Facebook, IBM and Microsoft, is an example of a collaborative effort to establish best practices in the development and use of AI, including issues of fairness and transparency. In this sense, Table 4 indicates the critical elements of this ecosystem, ranging from legal regulation to consumer and business education, outlining its relevance to EIA-supported influencer marketing and grounded in solid theoretical references.

 Table 4 - Fundamentals and Strategies for Ethical Governance in InfluenceMarketing with EIA.

Element	Description	RelevancetoInfluenceMarketingwith	Theoreticalreferences	
Liement	Description	EIA	Theoretical electrices	
Legalregulation	Establishinglawstolimittheoperationof	Fundamentaltodefiningthescope	Voigt&Von dem	
	EIAs, protecting consumerrights and guaranteei	ofEIA'sactivitiesandprotectingpersonal	Bussche (2017) -	
	ngjustice.	data.	GDPR	
Social norms	Developmentofethicalconsensusestoguide	Crucial for the public acceptance	Bostrom &	
andethics	thecreation and use of EIAs, such as	ofEIAsandtoguaranteeauthenticcommu	Yudkowsky(2014)-	
	transparency and authenticity	nications.	EthicsinAI	
	ininteractions.			
Market	Influence of consumers and companies	It allows for self-regulation and	Haufler (2001) - Self-	
	ontheadoptionofresponsiblepracticesthrough	theestablishment of industry	regulation and	
	marketpressureand	standards, promotingethics and transpare	IndustryStandards	
	differentiation.	ncy.	-	
TechnologicalArchite	EIAdesignandimplementationwithethical	Intrinsicregulationthatpreventsabusean	Floridi(2016)-	
cture	and privacy considerations.		EthicalDesigninTechnolo	
		ofEIAs.	gy	
Interstakeholdercolla	Cooperation between developers,	Essentialforthedevelopmentof	Schneier(2015)-Co-	
boration	marketers, consumers, regulators and academics	effectivegovernancethatpromotesrespo	creatingEthicalandRegula	
	to createeffectivepolicies.	nsibleinnovation.	toryStandards	

This context requires an understanding of how each element influences and is influenced by influencer marketing practices. Legal regulation, for example, sets the operational boundaries of EIA, ensuring that consumer rights are protected and that justice prevails. Social and ethical norms, on the other hand, guide the acceptance and responsible practice of EIAs, emphasizing the importance of transparency and authenticity. The influence of the market, manifested through consumer pressure and companies' differentiation strategies, promotes self-regulation and the adoption of ethical industry standards. The technological architecture of AIE, with its implications for ethical design and privacy, points to an intrinsic regulation that favors the responsible use of these technologies.

Collaboration between stakeholders from different spheres is essential to develop effective governance that supports responsible innovation. Consumer and business education plays a critical role in promoting informed choices and responsible technological development. Finally, the internationalization of governance seeks to avoid regulatory fragmentation, ensuring consistent consumer protection on a global scale (Schneier, 2015). These elements, as set out in the table, underpin current practices in influencer marketing, as well as guiding the way for future innovations and ethical implementations of EIA in this field.

Thus, brands and influencers, now more than ever, find themselves at a crossroads where technological innovation must be balanced with ethical, regulatory and privacy considerations. The search for authenticity and genuine engagement becomes both a goal and a challenge, outlining a future where strategic collaboration, continuous adaptation and a commitment to responsible practices will be key to navigating the ever-evolving landscape imposed by EIA.

IX. Challenges And Opportunities For Brands And Influencers In The Age Of Eia

The introduction of AIEs into influencer marketing marks a turning point forbrandsandinfluencers, presenting both challenges and opportunities. Forbrands, one of the main opportunities offered by AIE lies in the ability to personalize communication and product offerings at scale. The promise of AIE for brandsmaterializes in the possibility of deeply personalizing communication and product offerings on a large scale, going beyond the traditional limits of segmented marketing (Saini, 2022).

However, implementing EIA requires brands to take a strategic and adaptiveapproach, ranging from integrating complex data systems to developing in-house skills interpret and act on AI-driven insights. Companies such as Spotify, which uses AI tocreate personalized playlists that reflect the unique tastes of each listener, exemplify the potential to build deeper and more meaningful relationships with consumers, increasingloyaltyandtheperceived valueofbrands(Chenetal.,2022).

Inaddition,EIAenablesmoresophisticatedandpredictivedataanalysis,facilitatingadeeperunderstandin gofconsumerbehaviorsandpreferences.This,inturn, allowsbrandstocreatehighlypersonalizedexperiences,increasingmarketingeffectivenessandboostingcustome rloyalty (Byun &Ahn,2023).

However, implementing EIA also presents significant challenges for brands, particularly in terms of privacy and ethical use of data. In addition to the critical issues of information security and consumer consent, brands face the challenge of ensuring that predictive analytics and automated recommendations are accurate and relevant, avoiding the risk of alienating customers with misdirected or invasive suggestions (Chen et al.,2022). This challenge is amplified by the need to maintain a cohesive and integrated user experience, where AI-based solutions must be seamlessly incorporated into existing marketing practices without creating friction or disconnection for the consumer.

Additionally, implementing EIA requires a delicate balance between personalization and the perception of surveillance, where brands must carefully manage consumer expectations about how their data is used and for what. Transparency incommunication and strengthening user control over their data are key to building trust. The literature, including the work of Martin (2019), highlights the growing demand for greater consumer control over their personal information, putting pressure on brands to adoptmore ethical and responsible practices in the use of data.

For influencers, EIAs represent both an opportunity to improve their effectivenessandachallengetotheirrelevance.Ontheonehand,EIAcanbeusedtoanalyzeaudienceengagement and preferences in more detail, optimizing content to achieve better results.Furthermore, the ability of AIEs to generate autonomous and personalized content couldthreaten the unique position of human influencers, which is based on authenticity and personal connection with their followers. Djafarova and Rushworth (2017) explore theimportance of authenticity in the public's perception of influencers, suggesting that maintaining this quality is crucial to influence reffectiveness.

Faced with these challenges and opportunities, both brands and influencers needto develop strategies for adaptation and coexistence.Forbrands, this may involveadoptingstricterdatagovernancepractices,developingclearprivacypoliciesandseekinga balance between personalization and respect for consumer privacy. For influencers, adaptation can mean a greater emphasis on creating content that highlights their humanityand authenticity, as well as exploring collaborations with EIAs that extend their reach and relevance(Santiago&Castelo,2020).

Table 5 shows the strategic dynamics related to the digital ecosystem considering influencer marketing, highlighting the evolution of immersive technologies such as Augmented Reality (AR) and Virtual Reality (VR), given that these technological devices further broaden the spectrum of personalized and immersive experiences available toconsumers. In the context of brands, Kumar and Reinartz (2016) highlight the opportunity for personalization at scale and the ability to deeply understand consumer behaviour through predictive analysis. However, these advances come with significant challenges privacy and ethics in data use, requiring brands to carefully navigate regulatory complexities. Martin (2019) offers acritical perspective on the need fordatagovernance clear privacy policies, highlighting the importance of balancing personalization and privacy, grounded in Perceived Value Theory and ethics in the age of big data and AI.

Actors	Opportunities	Challenges	Strategies forAdaptation	Additional TheoreticalConsider	Authors andReferences
			-	ations	
Brands	Personalizationatscale	Privacyandethicsin	Data	Perceived	Kumar&Reinartz(201
	;	the use of	governance;Clear	ValueTheory; Ethics	6); Martin
	Predictiveanalysistou	data;Navigatingregul	privacypolicies;	intheageofbigdataand	(2019)
	nderstand	atory	Balancebetween	AI.	
		complexities.			

Table 5 - Dynamics and Adaptation Strategies in the Digital Marketing Ecosystem.

Forinfluencers, content optimization based on detailed analysis of engagement and preferences presents a unique opportunity to improve relevance and communicative effectiveness. However, as Djafarova and Rushworth (2017) and Schoutenetal. (2020) point out, th ereis alatent threat to authenticity, as EIA's

abilitytogeneratecontentcandilutethehumanityessentialtotheinfluencer-

consumerconnection.Adaptationstrategies include creatingcontentthatgenuinelyemphasizes humanity andcollaboratingeffectivelywithAIEs, anchored in the Importance ofAuthenticity and Value Co-creation.EIA themselves,withtheirautonomouscontentgenerationanddataanalysiscapabilities, face ethical questions and acceptance challenges. Martin & Murphy (2017)andKaplan&Haenlein(2020)stresstheneedforcollaborationandintegrationwithhumans,emphasizingtra nsparencyandaccountabilityintheuseofEIA.reflecting

fundamentalprinciplesofAlethicsandtechnologicalinnovation.

Asforimmersivetechnologies,Kaplan&Haenlein(2020)exploretheirrevolutionarypotentialinmarketi ng,highlightingthecreationofimmersiveandpersonalized experiences. Challenges include the need for continuous innovation

and over coming barriers intechnological implementation, suggesting the exploration of new formats and integration with EIA to enrich the consume resperience.

Data governance emerges as a crucial component in improving consumer trustthrough responsible practices. Martin and Murphy (2017) discuss the complexity of managing large volumes of data and complying with regulations, pointing to the adoption of ethical frameworks and a firm commitment to data protection, reflecting ethicalmarketing in the digital age.

This panorama demonstrates that, while the opportunities for personalization, predictive analytics, and the creation of immersive experiences are vast, entities involved in influencer marketing must face and overcome challenges related to privacy, ethics, and technological integration. The key to successful adaptation lies in implementing strategies that promote datagovernance, transparency, and collaboration between humans and EIA, all anchored in a deep understanding of the theoretical and ethical considerations that shape the interaction between brands, influencers, technology and consumers.

successful integration of The AIEs into influencer marketing is not iust aboutovercomingoperationalandethicalchallenges; italsoopensthedoortoaneraofresponsibleand inclusive inno vation.Asthisanalysisdrawstoaclose, were flecton the wider implications of these technologies not only for influencer marketing, but also forsocietyas a whole, highlighting the importance of moving forward with caution, awareness and a commitment to fundamental a standard standethical values.

X. Conclusion

ThisstudyaimedtouncoverthetransformativeroleofElAininfluencermarketing practices, analyzing their impact on the dynamics between brands, influencersandconsumers, as well as on the originalization and engagement strategies in the digital environment. Through an analysis based on theories of power and influence adapted to the digital universe, it was possible to objectively answer the research question and achieve the objective soutlined.

ThisstudyhighlightedhowAIEsarereconfiguringtraditionalinfluencermarketingmethods,introducingnewpersonalizationcapabilitiesatscaleandfosteringmoreauthenticandeffectiveinteractionsbetweenbrandsandconsumers.and

At the same time, emerging ethical and regulatory challenges are identified and discussed. Thus, this paper attests to the growing influence of EIA in influencer marketingand contributes significantly to the existing literature by offering practical guidelines and thical considerations for the responsible integration of these technologies into modernmarketingstrategies.

The results of this study advance knowledge in the field of influencer marketing, filling a critical gap in the literature by detailing the transformative impact of AIEs inmediating digital influence. Specifically, this work highlights the duality of AIEs asfacilitators of personalization on a scale never seen before and, simultaneously, as entities that raise complex ethical questions related to their autonomy and the management of personal data. By exploring these dimensions, the research broadens the understanding of AIEs how can be integrated to optimize influencer marketing strategies, as well asincitingcritical reflection on the ethical implication softhis integration.

In this way, the study also contributes to theoretical deepening by offering newperspectives on the application of influence theories in the digital context enriched byAIEsandprovidesapracticalbasisfortheresponsibleimplementationof these technologies. The study also broadens the understanding of power and influence in digitalmarketing by incorporating AIEs as a new category criticalanalysisofthepersonalization influencer. In addition. the of providedbyAIEscontributestotheinfluencermarketingliterature,following the line of Schouten,Janssen and Verspaget (2020), who emphasize the importance of personalization in consumer engagement.

Managerially, the study offers strategic guidelines for brands and influencers inadaptingtothechangesbroughtaboutbyEIA, suggesting the co-

creation of content and continuous innovation as means of maintaining relevance and authenticity. It also highlights the importance of considering the ethical implications of using EIA.

However, this study has limitations, mainly related to the rapid technologicalevolution and the emerging field of application of EIA in influencer marketing. It istherefore suggested that future research further explores the impact of EIA on consumerbehaviorandtheeffectivenessofmarketingcampaigns, as well as the long-termimplications of its integration into marketing practices.

A promising avenue for future research includes exploring influencer marketinginthe metaverse, where AIEscanplayanevenmoresignificantrole.Researchintohowbrands and influencers can effectively operate in this expanded virtual environment.Giventheinnovativenatureloves and therapide volution of the metaverse, this field represents an opportunity for academic exploration, opening up new frontiers for understanding the intersection bet we entechnology, marketing and society.

Thisstudyestablishes astartingpointforunderstandingEIA ininfluencermarketing, offering a solid foundation for future research. In doing so,this articlecontributes to the academic literature and provides

practical guidelines for practitioners, outlining a future in which technology and humanity converge in influencer marketing inethical and innovative ways.

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