

AI-Driven Influencer Marketing in the Fashion Industry: Optimizing Campaign Performance and Advertising Effectiveness

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Abstract

Artificial intelligence (AI) is disturbing influencer promoting within the mold division by progressing the viability and proficiency of publicizing endeavors. Brands can effectively select the most prominent influencers, make strides their substance, and track the real-time adequacy of their campaigns much appreciated to AI innovation. This ponder examines how client engagement, brand mindfulness, and buy eagerly are influenced by AI-powered influencer showcasing endeavors. Critical issues are too brought to light, counting algorithmic partiality, data privacy, and the ought to strike a adjust between AI robotization and human development. Concurring to the survey, mold firms may utilize AI to request to clients whereas keeping up unwavering quality and believe. Be that as it may, the ponder too distinguishes confinements and inadequacies, such as issues with algorithmic twists, information security, and the require.

Keywords: AI, Influence, Algorithmic, Promotion, Human Development

Introduction

Promoting strategies have changed essentially within the mold division, moving absent from conventional shapes of publicizing and towards digital-first approaches. Influencer marketing powered by social media has become a vital marketing strategy for fashion firms. Businesses may transform their influencer marketing strategies by incorporating machine learning, real-time data, and predictive analysis. These advancements enable more personalised content, better influencer selection, and more audience engagement. Even campaign results can be predicted with AI tools, which helps brands spend their money more effectively. Brands now face additional difficulties as a result of the growing dependence on influencer marketing. Choosing the right influencers, refining campaign tactics, and securing a return

on investment (ROI). This is where Artificial Intelligence (AI) becomes a transformative force. By leveraging the capabilities of AI, fashion brands can make choices based on data, automate tasks, and significantly improve campaign effectiveness with outstanding efficiency

The Study Investigates the Following Elements

- **Campaign Performance:** Metrics such as likes, shares, and customer reviews are used to gauge the effectiveness of a campaign. AI-powered influencer marketing is expected to enhance these results through improved targeting effectiveness and content strategy optimisation.
- **Advertising Effectiveness:** It gauges how much influencer marketing driven by AI influences audience attention span, brand recall, and purchase intention. Existing research has demonstrated that AI-based personalisation significantly boosts audience engagement and the relevance of advertisements.
- **AI-Based Influencer Segmentation:** Utilising audience demographics, engagement rates, and historical performance data, AI tools identify the influencers who are most appropriate for a brand.
- **AI-Based Content Personalization:** Machine learning tools optimise influencer content and increase engagement and brand loyalty by linking messages to user preferences.

AI-Based Gathering of people Division:

- AI makes bunches of groups of onlookers concurring to shopper conduct and intuitive, which progresses advertisement situations and increments engagement. Influencer showcasing fueled by AI raises a number of issues:

Data Security Issues

- The customization advertised by AI is dependent on the volume of client information it collects, raising questions with respect to information security and legitimate compliance.

Algorithmic Predisposition

- When influencers are chosen utilizing AI, it may inadvertently support certain statistic bunches, which reduces the differing qualities of promoting campaigns.
- Over-reliance on counterfeit insights Over the top mechanization can repress human imagination, coming about in less bona fide showcasing substance.

Research Objectives

- To investigate how artificial intelligence (AI) improves campaign tactics and influencer marketing in the fashion sector.
- To examine how consumer engagement, brand awareness, and purchase intent are affected by AI-driven influencer selection.
- To investigate how AI enhances content production and customisation for more precise audience targeting and successful campaigns.
- To determine the drawbacks and restrictions of AI-powered influencer marketing, such as algorithmic biases, data privacy issues, and an excessive dependence on automation.
- To advise fashion brands on how to successfully incorporate AI while preserving authenticity and customer confidence.

Statement of the Problem

Influencer showcasing is pivotal to the mold industry's endeavors to extend shopper engagement, brand acknowledgment, and buy entomb. Businesses can presently enhance campaign execution through exact gathering of people focusing on, real-time analytics, and substance personalization much appreciated to counterfeit insights (AI), which has made influencer promoting procedures more data-driven. In spite of the expanding utilize of AI-powered apparatuses, a intensive understanding of how they influence critical promoting results like client engagement, brand mindfulness, and buy conduct is still missing. The energetic nature of mold patterns, algorithmic predispositions, genuineness, and information protection are extra impediments that mold companies must overcome in arrange to effectively join AI into influencer promoting. By looking at cutting edge AI-powered influencer promoting techniques, assessing how they influence shopper conduct, distinguishing execution issues, and giving valuable exhortation for design companies.

Scope of The Study

This paper points to investigate the relationship between influencer showcasing and manufactured insights within the design industry, with a center on how AI-driven methodologies are changing campaign execution and advancing promoting viability. By analyzing the devices and technologies influencing this environment, we'll look at how AI is progressing substance creation, advancing influencer determination, and empowering more meaningful customer engagement. Ai's part in advancing influencer showcasing campaigns within the mold industry. It analyzes the effect of AI on influencer choice, campaign personalization, group of onlookers focusing on, and real-time execution following. The ponder focusses on how AI instruments increment the adequacy of promoting by boosting return on venture, streamlining forms, and advertising bits of knowledge based on data. The ponder surveys how well AI drives engagement, changes, and brand development through case ponders and examination.

Data Collection

Primary Data

- **Surveys:** Structured questionnaires will be distributed to consumers who actively follow fashion influencers on social media platforms.
- **Case Studies:** In-depth case studies of selected fashion brands successfully using AI-driven influencer marketing will be analyzed to identify best practices and outcomes.

Secondary Data

Academic journals, industry reports, market research studies, and whitepapers on AI, influencer marketing, and the fashion industry will be reviewed to support the primary data and provide context.

Sampling Technique

This study employed convenience sampling : a method chosen to select a homogeneous sample for the research which is based on the convenience of the researcher. Size of the sample used here is 50.

Review of Literature

Influencer promoting advancement has moved from conventional celebrity supports to online makers who lock in with focused on devotees. Concurring to Freberg et al. (2011), influencers play a considerable part in customer recognitions and acquiring choices. The extension of social organizing destinations has increased the control of these people, making them significant parts of brand communication plans.

AI improves the influencer choice prepare by looking at measurements like engagement rates, group of onlookers socioeconomics, and past campaign execution. Agreeing to Chaffey (2020), influencer choice driven by AI comes about in more focused on showcasing campaigns that increment buyer engagement. Prescient analytics and common dialect preparing are two instruments that help in selecting influencers whose devotees adjust with a brand's target statistic. Client intelligent and showcasing campaign reactions are upgraded as a result.

Counterfeit insights (AI) upgrades substance personalisation by leveraging machine learning and buyer conduct inquire about to redo influencer-generated substance to the audience's interface. AI-driven proposal frameworks boost brand perceivability by guaranteeing that the foremost interested clients see the reactions, per investigate by Garcia & Chen (2022).

Effective audience focusing on could be a key component of influencer publicizing, and AI progresses this by fragmenting the client base agreeing to browsing, social media action, and buy patterns. Since focused on advertisements have higher transformation rates, AI-driven gathering of people focusing on contains a critical affect on buy expectation (Rahman & Davis, 2023). AI moreover progresses advertisement retargeting techniques to ensure that user-influenced advancements are pointed at the foremost likely buyers.

AI-powered analytics empower brands to survey their return on venture by giving real-time bits of knowledge into the victory rates of influencer promoting campaigns. Marques et al. (2021) claim that AI-based instruments such as mechanized report dashboards, A/B testing, and prescient demonstrating make publicizing more

By spotting phoney devotees, bot-generated interaction, and fake substance, counterfeit insights (AI) helps within the anticipation of influencer showcasing extortion. Böhndel et al.'s ponder from 2023 underlines how AI-based extortion location apparatuses increment buyer believe in influencer promoting, which comes about in more effective brand-consumer intelligent. In arrange to sustain long-term publicizing adequacy, influencer organizations must be honest to goodness and solid, which AI makes a difference to guarantee.

Marketing While there are benefits to AI-powered influencer promoting, there are moreover drawbacks, such as algorithmic predisposition and information protection. Given the developing concerns with respect to buyer information security and straightforwardness, Marques et al. (2021) stretch the centrality of moral AI hones.

Conclusion

AI-powered influencer marketing is transforming the fashion sector by improving campaign performance, audience engagement, and advertising efficacy. To remain authentic, brands must strike a balance between AI automation and human creativity. Fashion brands needed to do the following in order to maximise AI: Invest in analytics tools driven by AI to maximise content strategy and influencer selection. Maintain adherence to data privacy in order to draw in customers. Create compelling and genuine advertising by combining human creativity with AI insights. Regularly evaluate AI algorithms to improve accuracy and lessen bias. By carefully applying AI to influencer marketing, fashion companies can keep their competitive edge in the digital market and produce more potent and effective advertising campaigns.

Hypothesis

- H0: There is no association between AI driven influencer selection and campaign performance
- H1: There is association between AI driven influencer selection and campaign performance

Contingency Table (Observed Frequencies)

	Successful	Unsuccessful
AI Driven Selection	15	10
Non AI Driven	8	17

$\chi^2 = 2.90, Df = 1, p \text{ value} = 0.089$

Expected Frequencies

	Successful	Unsuccessful
AI Driven Selection	11.5	13.5
Non AI Driven	11.5	3.5

Since the p-value (0.089) > 0.05, we fail to reject the null hypothesis (H_0).

Interpretation: There is no statistically significant association between AI-driven influencer selection and campaign performance in this sample, though the result is borderline.

- H_0 :There is a significant relationship between AI-powered content personalization and advertising effectiveness
- H_1 :There is no significant relationship between AI-powered content personalization and advertising effectiveness

Observed Frequencies

	Effective	Not Effective
AI powered personalization used	18	7
AI powered personalization not used	9	16

$\chi^2 = 5.15, df = 1, p \text{ value} = 0.0232$

Expected Frequencies

	Effective	Not Effective
AI powered personalization used	13.5	11.5
AI powered personalization not used	13.5	11.5

Since the p-value (0.0232) < 0.05, we reject the null hypothesis (H_0).

Interpretation: There is a significant relationship between AI-powered content personalization and advertising effectiveness.

- H_0 - There is no significant relationship between data privacy concerns and consumer trust
- H_1 - There is significant relationship between data privacy concerns and consumer trust

Contingency Table (Observed Frequencies)

Data privacy concerns	Consumer Trust		
	Distrust	Neutral	Trust
High	12	3	1
Medium	3	5	7
Low	1	2	16

$\chi^2 = 17.42, Df = 4, P \text{ value} = 0.00055$

Expected Frequencies

Data privacy concerns	Consumer Trust		
	Distrust	Neutral	Trust
High	5.12	3.20	7.68
Medium	4.80	3.00	7.20
Low	6.08	3.80	9.12

Since the p-value (0.00055) < 0.05, we reject the null hypothesis (H_0).

Interpretation: There is a significant relationship between data privacy concerns and consumer trust in this scenario. This result shows a strong association.

Findings

- Key AI-driven fashion strategies include data-based influencer discovery, automated campaigns, personalised content production, and predictive analysis.
- AI-powered marketing improves customer engagement through content deliverability and influencer targeting optimisation.
- AI greatly increases brand recognition by reaching more targeted and expansive audiences.
- AI reinforces buying intent through targeted ad placements, product recommendations, and prompt responses.
- Issues of data privacy, a significant initial expense, an overreliance on algorithms, and bias in AI are some of the challenges.
- Brands should look toward ethical AI practices, harmonize human imagination with AI, and equip marketing teams with training and resources.

Conclusion and Recommendation

AI-led influencer advertising has a big influence on ad effectiveness and campaign performance through more effective audience targeting, content relevancy, and influencer picks. To ensure consumers' faith, companies will need to mend algorithmic prejudices, data security, and reliance on automation excess.

Suggestions

- Invest in analytics tools driven by AI to track and improve campaigns in real time.
- To enforce ethical AI practices, combat algorithmic biases and give top priority to complete data transparency.
- Incorporate AI with human creativity in influencer marketing to preserve authenticity and emotional resonance.
- Regularly assess AI strategies to adapt to shifting sectoral trends and consumer attitudes.
- Fashion brands can fully realise the benefits of influencer marketing, strengthen their customer relationships, and improve their overall marketing performance by using AI responsibly.