

Leveraging Crowdsourcing for Fan-Driven Content Creation in Sports: Enhancing Engagement and Innovation

Yue Man¹, Syamsul Bahrin Bin Zaibon^{2*}, Yangzi Hu³

Abstract

The digital revolution and the rise of social networks have transformed how content is created within the sports industry, shifting towards more fan-driven approaches. This paper explores the dynamics of crowdsourcing in the sports sector, analyzing how market influences and governmental guidance shape the diversification of content production. Through case studies, we examine various forms of public participation in sports media, highlighting how fans are not just consumers but active contributors to the content ecosystem. This research aims to deepen understanding of the role of fans in shaping sports media and to assess the effectiveness of crowdsourcing as a strategy for enhancing fan engagement and content innovation. By exploring these participatory mechanisms, we provide insights into how sports organizations can harness the power of crowdsourcing to foster a more engaged fan base and drive content creativity. The findings offer practical implications for sports media producers seeking to leverage digital platforms and fan input to innovate and expand their content offerings.

Keywords: Cultural Industry, Crowdsourcing, Public Participation, Content Production.

Introduction

In the rapidly evolving landscape of sports media, the traditional boundaries between content creators and consumers are increasingly blurred. The rise of digital technology and social networks has democratized media production, enabling fans to shift from passive observers to active participants (Emad, 2018). This transformation is particularly pronounced in the sports industry, where fan engagement is not only desired but essential for the growth and sustainability of sports franchises and leagues.

Crowdsourcing, a collaborative model of content creation, has emerged as a powerful tool to harness the collective creativity and insights of the fan base. This paper explores the application of crowdsourcing in sports media, examining how it enhances fan engagement and drives innovation in content creation (Grasdalsmoen et al., 2020).

The Emergence of Digital Technology in Sports Media

Digital technology has revolutionized the way sports content is produced, distributed, and consumed. Platforms such as Twitter, Instagram, and YouTube offer fans unprecedented access to their favourite teams and athletes, breaking down the traditional barriers of time and geography.

These platforms also provide a venue for fans to express their opinions, share their own content, and interact directly with sports organizations. As a result, the role of

the fan has evolved from a mere consumer to a potential content creator, influencing the narrative and direction of sports media (Cardozo et al., 2014).

Crowdsourcing: A New Paradigm for Content Creation

Crowdsourcing in sports media involves soliciting contributions from a large group of people, particularly from an online community, to achieve a cumulative result—be it ideas, content, or solutions to specific problems. This approach taps into the diverse perspectives and skills of a broad audience, leading to richer and more varied content. For sports organizations, this not only enhances the quantity and quality of content but also fosters a deeper connection with the fan base, as fans feel more valued and involved in the creative process.

Market Influences and Governmental Guidance

The growth of crowdsourcing in sports media is also influenced by market demands and regulatory frameworks. Fans demand more interactive and personalized content, pushing sports media to innovate continually (Paulson et al., 2013). Meanwhile, governments and regulatory bodies are beginning to recognize the potential of digital platforms in shaping public discourse, leading to the creation of policies that impact how content is created and shared. Understanding these external influences is crucial for sports organizations looking to leverage crowdsourcing effectively.

¹ General Education Department, Software Engineering Institute of Guangzhou, Guangzhou, 510990, China.

² Awang Had Salleh Graduate School of Arts and Sciences, Universiti Utara Malaysia, Kedah Darul Aman, Sintok, 06010, Malaysia.

³ R&D Center, Hunan TV, Hunan Broadcasting System, Changsha, Hunan, 410003, China.

*Correspondence: man_yue@ahsgs.uum.edu.my

Case Studies and Practical Implications

This paper will analyse several case studies that highlight successful crowdsourcing initiatives in sports media. These examples will illustrate the various forms of fan participation, from content suggestion and creation to decision-making roles in narrative development. Additionally, the study will discuss the operational aspects of crowdsourcing, including the challenges of managing a large and diverse group of contributors and ensuring the quality and consistency of the content produced.

Objective

The primary objective of this research is to provide a comprehensive analysis of how crowdsourcing is reshaping sports media. By understanding the mechanisms and outcomes of fan-driven content creation, sports organizations can better harness this potential to enhance fan engagement, improve content quality, and drive innovation. As the digital landscape continues to evolve, sports media producers must adapt to these changes by embracing new methods of content creation. Crowdsourcing presents a unique opportunity to engage with fans in unprecedented ways, turning them into active participants in the sports narrative. This paper aims to explore the strategic application of this model, offering insights and recommendations for effectively integrating crowdsourcing into sports media strategies.

Literature Review

This chapter will discuss the concepts involving this topic and the status of research in the field at home and abroad.

Cultural Industry

The term culture industry was introduced into the Critical Theory of the Frankfurt School by Theodor Adorno and Max Horkheimer in the 1940s. Adorno believes that in mass culture, individual cultural consumption needs can be shaped. The impact of the culture industry is to promote social and intellectual conformity (Ntoumanis & Biddle, 1999). "Culture now impresses the same stamp on everything. Films, radio and magazines make up a system which is uniform as a whole and in every part". The emergence of Web 2.0 and social media has created new ways of interacting in the public sphere, hence creating a new public sphere. Social media is evolving as part of a "networked information economy". Compared with mass-media production, networked media requires high levels of capital concentration, entail decentralization and democratization of the means of production and distribution of information, knowledge and culture. The networked information economy improves the capacities

of individuals to produce information themselves and to cooperate with others in loose non-hierarchical networked communities (Blohm et al., 2020). A Chinese scholar believes that with the progress and development of science and technology, the development of China's cultural industry in the future will show a trend of polarization between science and technology and tradition in the way of product production. Technicalization is to make full use of modern scientific and technological means in the production mode of cultural products, to apply them to the production of cultural products, and to make the cultural industry develop into a new scientific and technological industry. Only such products can gain the advantage of market competition (Hatzigeorgiadis et al., 2014; Kangasniemi et al., 2014; Leone, 2021; Shen, 2022).

China's Cultural Industry

In China, cultural industry and cultural undertakings exist at the same time. Cultural undertakings are public culture, aiming at social benefits rather than economic benefits (such as public libraries, museums, etc.). The cultural industry mainly refers to the industry that has certain economic attributes and takes the pursuit of profits and economic costs as the ultimate goal of marketing. Cultural industry is an industry that produces and manages cultural products (Smith et al., 2017a). It is different from the general industry that produces and manages material products. It has special spiritual or cultural attributes. According to the 49th Statistical Report on the Development of Internet in China issued by China Internet Information Center. The number of Internet users in China has reached 1 billion, forming the largest and most vibrant digital society in the world. The Internet has promoted the innovation of cultural content in China (Smith et al., 2017b). The integration of the Internet into the cultural industry is not only a change in concept, but also a continuous update of the content, service platform and business model of the cultural industry (McKinney, 2018).

Crowdsourcing

In 2006, Jeff Howe, the editor of Wired magazine in the United States, the concept of crowdsourcing has been proposed for a long time. He defines "crowdsourcing" as the practice of outsourcing work traditionally done by designated agents (usually employees) to an uncertain public in the form of open recruitment on a website. As an outsourcing strategy through the Internet, is a similar concept that has gained recent excitement across various fields, leading to reduced labor costs for crowdsources. Jeff Howe divides crowdsourcing into four basic types, namely crowd wisdom, crowd creation (Mastromartino & Naraine, 2022), crowd voting, and crowd funding. Crowd wisdom is to provide a platform for the public and use crowd

intelligence to build a huge and diverse labor network. Crowd creation means that the public has strong creativity, and the company successfully outsources many tasks to the public for production. Crowd voting is to use the public's discrimination ability to organize and classify massive information; Crowd funding means that the public purse becomes the source of funds (Hendricks, 2021). The first three crowdsourcing applications focus on the integration of knowledge, innovation and judgment contained in the public, while crowdfunding is the development and re-aggregation of public funds. Crowdsourcing activates the transformative power of today's technology, liberating the latent potential within us all. It's a perfect meritocracy, where age, gender, race, education, and job history no longer matter; the quality of work is all that counts; and every field is open to people of every imaginable background. If you can perform the service, design the product, or solve the problem, you can get the job. But it's also triggered a dramatic shift in the way work is organized, talent is employed, research is conducted, and products are made and marketed. Similarly, crowdsourcing also involves knowledge transfer and collaboration among an undefinable large number of intellectual participants who voluntarily contribute to a common goal in the online environment. The earliest implementation of crowdsourcing was Inno-Centive, founded in 2011, which utilized crowdsourcing mode to considerably enhance the company's innovation ability. Wikipedia is the first and most mature example of non-commercial crowdsourcing in the Internet field. The traditional public participation programs are often stymied by interpersonal dynamics, special interest groups or lack of interest and awareness. Crowdsourcing as an online public participation alternative that may ameliorate some of the hindrances of traditional public participation methods (Brown & Fletcher, 2017; Panza et al., 2020). There Jenkins came up with the word "Convergence". Convergence is not only a cultural process, but also a technological process, the conflict between old and new media, the interaction of media producers and consumers in an unpredictable way, through the content flow of multiple media platforms, the cooperation between multiple media industries and the migration of media audiences, all of which can be achieved. They can go almost anywhere to find the entertainment experience they need (Dellermann et al., 2020; Ji, 2024).

The Mechanism of Crowdsourcing

Some scholars argue that crowdsourcing can also be applied to entrepreneurial. From the perspective of opportunity creation (Kapsal et al., 2019), the crowd is a valuable resource, the so-called crowd capital, which can

create resources. Crowdsourcing solutions can collect collective wisdom to solve enterprise problems, common methods are voting, micro-tasks, ideas, etc. (İHSAN et al., 2015; Lochbaum et al., 2022). Many scholars believe that the application prospects of crowdsourcing are amazing, and the general organizational mechanisms in crowdsourcing activities include:

1) Participants: The organizer needs to assign tasks to appropriate contributors: e.g. inventors, start-ups, research institutes, experts, hobbyists. 2) Reward: establish incentives, give monetary or non-monetary rewards. 3) Mode of participation and interaction: competitive or cooperative. 4) Framework: (temporary or ongoing) and platform: A company or platform where the project establishes effective governance that enables crowdsources to use their crowdsourcing platform more effectively and to crowdsource in an ongoing manner. Based on the diversity of crowdsourcing, I Blohm proposes four modes of crowdsourcing: micro-task, information pool, open collaboration, and broadcast search (Blohm et al., 2020). In practice, these four modes are often not used in a single use, but in combination. Crowdsourcing as an innovative project is not common in innovative practice because the public needs additional capabilities and skills in participation, and organizers need to process intellectual property, manage people, and invest in project-led learning to build easy-to-use templates and routines (Füller et al., 2021). Furthermore, this proactive approach of utilizing emerging technologies in content co-creation often leads to positive brand perceptions and consumption behaviors (Carpentier & Mageau, 2016; Machida et al., 2017).

At present, crowdsourcing in the fields of news, film and television has become the focus of attention of Chinese academia and industry, but academia has not yet made a unified definition of the concept. From the perspective of the political economy of communication, some scholars in China understand crowdsourcing as absorbing and integrating scattered, idle and cheap labor globally through new media communication technology and becoming "digital labor" providing content for Internet commercial websites. What they gain in the process of digital labor is only a small amount of wealth reward and spiritual satisfaction, and they do not share the economic output of crowdsourcing labor fairly and equally. With the widespread emergence of crowdsourcing (Vealey & Chase, 2008), the long-term improvement of Internet platform, the daily production of video and the organization of user collaboration, crowdsourcing has been fully used in various fields. Media can obtain and edit information through three channels: background information collection, in-picture information collection and social application platform

information collection (Comeig et al., 2016). The current domestic research on crowdsourcing, mainly includes the research of crowdsourcing participants, crowdsourcing in the use of video content production, news production, in addition to research focus on the Internet environment under the change of knowledge form can take management strategy, mainly for the protection of intellectual property rights and construct more depth of professional learning technology path and so on. Ordinary users break through the class boundary restrictions of the elite groups and become the main body of the network power, which is reflected in the dynamic process of the relationship construction, information flow and meaning sharing of the network society (Feltz, 1988). Some scholars in China have simplified the concept of crowdsourcing, believing that crowdsourcing is a form based on UGC (Users Generated Content), which refers to allowing people to give feedback on a targeted task through a variety of channels, including e-mail, SMS, website or app. As well as information in the form of invited polls, mail questionnaires and telephone interviews. Some scholars believe that the prosperity of online community and video platform production convenient make crowdsourcing embedded in people's daily life (Vealey, 1994), based on common fun knowledge community is all kinds of interactive video labels gradually form ordinary netizens can be more equal hand network power, enjoy network power in the process of decentralization is more free, easy to obtain information, but can really internalize knowledge absorption is in doubt (Vealey, 2009). According to sociological researchers, public participation acts as a new form of power in the context of the deepening study of power. "With the advent of the network era, ordinary Internet users have gradually grown from the silent majority and the subject of power to the subject of network power and began to have network power. Network society gives netizens the opportunity to become the subject of power, and it is this opportunity that contains valuable Internet value". From the concept of "crowdsourcing" to the practice of crowdsourcing in the field of cultural industry, the development in just a few years has brought reform and innovation to the future development, as well as also brought challenges. Crowdsourcing organizers reintegrate the public's information and funds to promote the diversity and quality of cultural content. However, due to the short development time, the domestic crowdsourcing model is still in the exploratory stage. Compared with foreign attempts, China is still in the initial stage. The crowdsourcing model still has a long way to explore in China, and it has also encountered various problems and difficulties in its development (Zeng, 2003).

Chapter Two Summary

Through the discussion in the relevant literature, we can find that: 1. The crowdsourcing model has significant advantages in public participation projects. 2. Public participation in the production of cultural content products is creative, original, innovative, and multiple series of return ability. 3. Public participation in cross-media interaction and release on social media platforms has become a new direction of cultural content product innovation. To sum up, most of the existing studies are based on the investigation and introduction of the background, process, overall development and impact of crowdsourcing, and few studies will comprehensively investigate the content production of China's cultural industry. At the same time, there is a lack of specific and in-depth research perspectives, and most of the studies are still a comprehensive introduction to the phenomenon.

Research Methodology

This section mainly explains the methodology adopted in this study and the path to achieve the research objectives. The research objectives are already stated in Chapter 1. Here is a specific description.

Research Design

This study aims to identify the use of crowdsourcing principles in public participation in the production of content in the cultural industry, as well as the benefits and implications it brings. In order to analyze the issues raised in chapter one, qualitative research was chosen as the main method. Qualitative research is a method or angle to study things from the inherent stipulation of things according to the attributes and changes of social phenomena or things. In this study, the main methods of this paper are literature, case studies, interviews, as well as the the collection of data.

Phase One: Problem Identification

This stage is the preliminary preparation, mainly based on literature research. Search the Internet for information, such as academic works, journals, newspapers, articles, videos, web pages, etc. Through collecting data, accumulating information, understanding the current domestic research status, understanding the crowdsourcing principle and practicing in the Chinese cultural market, the research questions and scope are determined.

Phase Two: Case Study

This paper discusses the application of crowdsourcing model in various aspects of content production in the cultural industry. Therefore, it is necessary to choose the

cases from different fields of cultural industry as the research objects.

Through the past understanding, we finally selected three cases in three areas of cultural industry content production, such as documentary, video website and news platform, as the research object.

Case 1: A warm meal

During the COVID-19 epidemic, Shanghai TV produced a documentary called A Warm Meal, which was widely acclaimed. It uses people's diet as content and reflects the lives of people in Wuhan during the epidemic. It is also China's first documentary produced by the public in co-production.

Case 2: Pear video

Pear Video is a news video platform that launched on November 3, 2016. The news content is transmitted through the Internet and usually lasts less than three minutes. The video works mainly contain information

such as emergencies, people's livelihood news, service content and funny stories, and have social attributes.

Content production mode: A combination of professional editorial team and global network of photographers.

Case 3: Bilibili

Created on June 26,2009, Bilibili was used early on as an ACG (animation, comics, game) content creation and sharing video website. After more than a decade of development, Bilibili has built an ecosystem of high-quality content around users, creators and content. It has become a multicultural community covering more than 7,000 interest circles and is now a cultural community and video platform highly gathered for young generations in China.

Proposed Solution

According to Ivo Blohm classification of crowdsourcing types (Blohm et al., 2020): we do the following description of Table 1 and Table 2:

Table 1

Types of crowdsourcing.

Case	Field	Crowdsourcing type
Pear Video	News	Micro tasking Information Pooling
A Warm Meal	Documentary	Micro tasking Information Pooling
Bilibili	Video Website.	Information Pooling open collaboration

Table 2

Crowdsourcing implementation mechanism.

Phase	Mechanism	Description
Task making	Task modularization.	Split tasks into single tasks or micro tasks
	Contribution requirements	Specific requirements for public participation in completing the project
	Test	The task should be evaluated and passed within the project team before the official release.
Task Release.	Release channels and methods	The internet, newspapers, magazines, radio, television, outdoor advertising, etc.
Incentives	Incentive mode.	Payments. reputation. reward etc.
Qualification	Collection and verification	Participants' contributions were checked to determine if they met the requirements.

To better understand the implementation of the target case list in crowdsourcing, we will refer to the dimensions for analysis.

Conclusion

The exploration of crowdsourcing in the sports media industry reveals a transformative shift in the relationship between sports organizations and their fan bases. This study has highlighted how digital technology facilitates a participatory culture, allowing fans to contribute creatively

and substantively to the content ecosystem. The findings from the case studies demonstrate that when effectively implemented, crowdsourcing can significantly enhance fan engagement, enrich content diversity, and foster innovation in sports media production.

Key Insights from the Research

Enhanced Fan Engagement: Crowdsourcing not only enables fans to feel more connected to their favorite teams and athletes but also empowers them as contributors to the sports narrative. This active participation builds a stronger

emotional bond between fans and sports brands, increasing loyalty and enhancing fan experience.

Content Diversity and Innovation: By leveraging the diverse perspectives and skills of a global fan base, sports organizations can produce a broader range of content. This not only caters to a wider audience but also injects fresh ideas and creativity into the media output, keeping content dynamic and engaging.

Operational Challenges and Solutions: While crowdsourcing presents numerous benefits, it also poses challenges such as maintaining content quality and managing community interactions. The case studies have shown that clear guidelines, robust moderation policies, and effective use of digital tools are essential for managing these challenges. Engaging with a dedicated community management team can help streamline the process and ensure that the contributions meet the required standards.

Implications for Sports Media Producers

Sports organizations and media producers can harness the power of crowdsourcing to not only enhance their content offerings but also to drive deeper fan engagement. However, to fully capitalize on its benefits, they must consider:

Developing a strategic framework that aligns crowdsourcing initiatives with their overall brand goals. Investing in

technology platforms that facilitate efficient management and integration of fan contributions. Fostering a community culture that encourages positive interactions and respects diverse viewpoints. **Future Research Directions** While this study provides foundational insights into the use of crowdsourcing in sports media, further research is needed to explore its long-term impacts on brand loyalty and fan behavior. Additionally, comparative studies across different sports and regions could offer a broader understanding of how cultural and regional differences influence the effectiveness of crowdsourcing strategies.

Concluding Remarks

In conclusion, crowdsourcing represents a significant opportunity for the sports media industry to adapt to the evolving digital landscape. By embracing this model, sports organizations can not only meet the demands of a modern, connected audience but also foster a more engaged and loyal fan base. As the digital world continues to evolve, the ability to creatively and effectively engage with fans will increasingly determine the success of sports media strategies. This research underscores the need for sports organizations to innovate continuously and collaboratively with their audiences, ensuring that they remain at the forefront of the digital content revolution.

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