LEVERAGING BIG DATA FOR CRITICAL THINKING AND INNOVATION IN CHINESE WEB DRAMAS TO SATISFY AUDIENCES

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ABSTRACT: The phenomenon of web drama in China has become increasingly popular; this is a good time to establish a stronger substance and satisfy the public with the help of the big data context. This work relates to the general usage of big data to improve the areas of interest and to develop a program for predicting what people are most interested in watching and creating new shows based on the results of the analysis. To the writers and directors, big data holds significant potential to enrich the storylines, the characters, and the portrayals. To which end, these critical reviewers can obtain more detailed analysis from empirical data for criticism. The researchers used AMOS 24 and Bootstrap estimator to simulate the study, and they recruited 365 participants; the involved groups were the viewers, the directors, the scriptwriters, and the reviewers. In this context, the purpose of the study is to identify to what extent and how big data modifies creative and decision influences associated with Chinese Web Dramas to enhance information processing, creativity, and viewership.

Keywords: Big Data, Audience Satisfaction, Big Data Analytic Techniques, Innovation Strategies and Content Creation.

1. Introduction

In the last couple of years, Chinese Web Dramas have gone up exponentially and are growing popular not only in China but locally and internationally. This is attributed to development in sciences since it has done away with the normal method of TV streaming and offered several options through a button. In such a context and with such opportunities of digital evolution, it is thus possible to consider a subtle lever in Big Data to advance thinking and creativity in the prediction of the audience's satisfaction towards Chinese web drama research (Huggins, 1978). This paper aims to answer specifically how Big Data could be beneficial in various facets in order to influence capability, viewers, writers, directors, and the reviewers of the web dramas. Chinese web dramas or Wǎng luò jù is a favorite among the Chinese people and across age brackets because of its versatility in the genres, unique storyline, and high-quality productions (Perse & Rubin, 1988). Through these platforms like iQIYI, Tencent Video, and Youku, such growths have been realized making it easier to access different contents. Titles such as "The Untamed" and "Story of Yanxi Palace" come under web dramatized productions that many fans across the globe enjoying with huge following hence leading to exchange (Atkin, 1992).

Big Data is the term relating to the large volumes of the structured data or the chaotic data that holds the potentiality to provide some kind of advantages or information that can be utilizable to improve the decisions and the plans (Chang, Eleftheriadis, & McClintock, 1998). It is important to note that when speaking of 'Big Data' associated with the entertainment industry and when linking it to modern society, Big Data then defines the specific pattern of the viewers, unique tendencies that exist in the social networks, and not to mention the demographic factors. However, through procuring such data, stakeholders are able to understand behaviors, interests, and other features of the target audience that they wish to reach out to, which assists the generation of more relevant content in the process (Khanna, 2002). Another area is personalization, which utilizes Big Data most for viewers as this offers details on programs that the viewer may probably enjoy.

Modern technologies rely on recommendation systems for video streaming services, which involve sophisticated algorithms to determine what a person might be suitable for (Ferguson & Perse, 2004). It should be noted that such levels of personalization not only contribute to increasing the viewership of these programmes but also guarantee the desired audience's interest and saturation. For example, Big Data was helpful in the mechanism of recommendations from Netflix to enhance the user loyalty or as for example, Chinese streaming platforms can trust the Big Data strategy in order to offer the viewers something they would perhaps be interested in (Deschamps, 2005).

Big Data provides writers and directors with a clear framework of what approaches can be incorporated into web dramas and which ones should not be when it comes to web dramas. Opinion, commentary, and ratings, in particular, emerge as useful tools for

generating patterns to inform content generation (Thyagharajan & Nayak, 2007). The systematic generation of such data may prove to be useful in as much as it may shift the focus to the development of new concepts and styles on storyline as the writers and directors attempt a novelty which has been known to be a success in the past. Finally, based on these reactions, creators can use predictive analytics to tailor their future works even more to enhance the satisfaction of the targeted audience predicting the audiences' response to certain plot turns, characters' transformations, and more (Shepperd, Sweeny, & Cherry, 2007). Therefore, critical reviewers themselves have a critical role in shaping public opinion and constructing a discourse about web dramas. Big Data to a reviewer offers more concrete and comparative analyses because reviewers can defend his criticisms based on facts and not assumptions and hypothesis (Lu & Lo, 2007). For example, when regarding the stakes, while considering the viewership ratings and the general sentiment of the comments as either positive, negative or otherwise, it is much simpler for the reviewers to note the social applicability of a particular web drama. In turn, this improves the critical dispute since the reviewers not only assess a show and its performances from the artistic aspect but also explain its entertainment for the viewers (Hoffman et al., 2009).

Nevertheless, with a green light on the changes and trends in the audiences' feedback, the reviewers can be able to provide recommendations on how the web drama industry could be improved to foster its growth. The following are some case studies suitable for the identification of success stories of Big Data in the production and marketing of Chinese web dramas:For instance, "The Untamed" begin defining its target group by recruiting analysis on the optimum consumer groups that should be targeted through various marketing platforms (Godlewski & Perse, 2010). The automotive of the show producers scrolled through the fans interactions on social media platform and posted content that the fans would find relevant and this made fans form a fan base even before the launch of the end show. With this in mind, Big Data was very beneficial to the company and it is one of the major drives towards the show taking the world by storm and expansion (Gray & Dennis, 2010). Likewise, the production team for 'Story of Yanxi Palace' developed ways to retell the insights from the audience for the better. By getting some cues from the viewers about the criticism that they have for the show's speed, the changes of the characters, and the historical element of the show, the creators were able to make some adjustments that would enhance the creation in the long run (Rothaermel & Hess, 2010). These quantified enhancements may have undeniably played their part in describing how the show could sustain the interest of the world as it narrates its story in the midst of juxtaposition of societies due to difference in culture (Bowonder et al., 2010).

There are many benefits of utilizing Big Data from the point of view of the upgrading of crucial and creative contemplation, and the predictive analysis-based study of the Chinese web dramas; however, there are still some concerns. Issues such as data privacy and protection, issues of digital divide, and the existence of bias in the algorithms must be addressed so that Big Data is utilized appropriately for everyone's advantage (Savinovic, Kim, & Long, 2012). Thirdly, technological evolution is also qualitative in that it involves innovational changes that occur at such a high level that all the economic factors that accompany the technology must always be in the learning mode (McCann et al., 2012). Using AI and ML to enhance predictive analytics with Big Data will be much more powerful in the future. Such exciting technologies can take it even further in terms of enhanced content generation, enhanced creative idea generation and understanding audience engagement (Farchy, Ranaivoson, & Gansemer, 2013). Therefore, these innovations indeed could bring about positive impacts on the Chinese web drama industry and the industry will in return continue to innovate and offer satisfactory products to audiences around the world. Hence, the enthusiasm for Big Data on the predictive study of Chinese web dramas provides a revolutionary approach to an evaluation revolution and the enhancement of ingenuity in critical analysis (Fagerberg, 2013). In terms of audience, Big Data generates a more specific experience feeding important data to the main decision maker in the show creation and last but not least develops the critique of the show by the reviewer. Thus, as the industry is getting more developed, it will become crucial for the powered by the, the Big Data to adequately respond to the dynamism of the global audience demand to increase the future sustainable development of the Chinese web dramas (Love, Roper, & Vahter, 2014).

Therefore, the objective of this study is to explain how big data is used in enhancing the thinking approach and creativity in the predictive research of Chinese web dramas to ensure the audience satisfaction is enhanced as anticipated. Therefore, the purpose of this research is to bring together the current insights about big data analyses pertinent to the four research questions outlined above in relation to how content creation, audience preferences, resource distribution, and better critique approaches may be informed by big data to ultimately refine the quality of Chinese web-dramas for better audience relevancy.

2. Literature Review

The literature provides ample evidence about the role of Big Data in encouraging content creation and consumption in entertainment. This investigation shows that in audience measurement, information increases the accuracy in determining the inclination of the targeted audience and at the same time fosters innovation due to the identification of patterns and new reviews from the existing changes. For Chinese web dramas, this involves meeting the consumer needs and writing new stories into their products. Moreover, critical reviewers employ analysis that can be more helpful and less destructive than constant criticism. Integrating big data mechanisms in these processes improves the quality of decision-making and drives ingenuity, thereby attracting more customer attention and ensuring the firm's perpetual significance in the industry.

2.1. Audience Satisfaction

The constantly developing genre of Chinese web dramas has been enlarged even more rapidly and with even larger and more diverse audiences. Pleasure of viewers has become more of a focus for anyone in this type of content, including writers, directors, and critics. It is also important to understand that there are a number of aspects which directly contributed to this satisfaction; they include: the potential to present a fresh and interesting concept, technical standards, and original country/culture connection (Abou-loukh & Ibraheem, 2023; Pisano, 2015). As for the television dramas, the essential attribute in terms of viewers' satisfaction is the up-to-date perspective and diverse genres in Chinese web dramas. It is a great show given the fact that the themes addressed in this show are most of the time new and live with a touch of complexion of Chinese traditional belief as noted in show description where it indicates that it was recently created though in one way or another it relates to modern societal issues (Qasim et al., 2023; Vashisht & Gupta, 2015). Apart from this, the introduction of such an atypical narrative assists the audience to enhance their view as it not only offer amusement but also creates the feeling of interest among them. Another indispensable condition is the quality of producing goods and services at a high level that reflects the quality and sufficiency of the process of production.

The emergence of new forms of technology together with more funding towards the commercialization of the film business has led to colorful productions accompanied with marvelous special effects, very elaborate settings and professional camerawork (Shu, 2016). These changes have brought the quality of the web dramas to that of a television drama series or even a foreign drama and have also enriched the experiences of the viewers. Besides the issue of accessibility, cultural relevance cannot be overemphasized given how much audience it was possible to engage (Al Mahdi et al., 2022; Furht & Villanustre, 2016). Thus, Chinese web dramas offer some aspect of Chinese history, Chinese folklore or Chinese social norms or values which not only gives the explanation of why the Chinese citizens pay quite high attention towards these dramas but also attracts the global audiences who are looking for realistic Chinese flavours. As a result, this cultural authenticity also meets the viewers' goal and gains applause and applause from the critics because it also plays a role in culture preservation and promotion. On the side of the writers and directors that produce the content, these are something they have to look at to come up with content that will be appetizing to the viewers. If only the onus is put on each genre to generate unique stories, then this calls for high production values and cultural compatibility with the audience across the globe, thereby leading to the enhancement of satisfaction, which in turn culminates into improvement of the fate of projects (Arora & Goyal, 2016). Although such elements are being transformed into exploring a movie by intellectuals, requiring the generations of critical reviewers to perform another important function: to detect these elements enlighten audiences and identify the norms in the discussed industry.

2.2. Big Data Analytics Techniques

It's safe to say that big data analytics as a fast-growing branch is impacting a wide range of industries, including the Chinese network drama. This literature review focuses on how big data technology contributes to the fan experience, the writer/director's career, and that it is an important critical tool Big Data analytics allows for more data and insights into viewer behavior and preferences (Karlsson & Tavassoli, 2016). The most commonly obvious approach is that streaming sites like iQiyi and Tencent Video use intelligent databases, in terms of viewing behaviour, demographics and engagement data, which allows content delivery and user experience to also be positively impacted by overall (Yang & Zhong, 2016). Big Data provides great help for writers and directors, for example, trending

topics, characters audiences like to watch, or popular stories Take the trending information provided by social networks internal research is used to create new content that will be interesting to viewers, which means that it new products awareness more than others will get, thereby increasing the share of subsequent hits a thorough analysis of different content (Gardner & Lehnert, 2016) increases the ability to develop a systematic approach to systematic approach that will reduce the chances of failure in the commercial market and help develop new strategies for storytelling.

It is also beneficial for critics and critics, which in turn means that big data analysis can be a solid basis for evaluating web dramas (Al Doghan & Zakariya, 2023; Zboralska, 2017). Specific tools for sentiment analysis can provide a deeper understanding of drama reception based on comments from viewers and discussions on social networks. This understanding also helps reviewers to form opinions a balanced analysis-based approach, which is important when helping pedestrians make appropriate viewing choices (Tonidandel, King, & Cortina, 2018). But big data analytics creates a two-way relationship between viewers and creators because content can easily be commented on, liked or shared. Such a feed backing system makes it possible for innovators to exchange services, which people try at a very early stage, thus increasing intimate audience interactions. It has also developed a dynamic process that supports consumption meet audience expectations and enhance teamwork at the creative end (Narayanan, Paul, & Joseph, 2017).

2.3. Innovation Strategies

Chinese televised drama developed and changed with web drama series or also known as ‘wangluo ju’, which grew and updated rapidly and facilitated this change by new ways that affected its viewers, writers or stories the rise of relevant, directors and critics (Varadarajan, 2018). Four key changes were identified, one of the most striking of which was the increased demand for high-quality finishes. Catering to the needs of viewers and contestants, Chinese web dramas today have followed rigorous methods of shooting, ratings and sound design as web dramas converge with traditional television movies (Komalavalli & Laroiya, 2019). Such changes have been witnessed in series like ‘The Longest Day in Chang’an’ which literally rolls as if with narrative form, winning honest accolades from critics and audiences, there is another revolutionary idea that is popular in modern times; This is the combination of big data & AI in copywriting and information sharing (Chen, Kadir, & Kang, 2023; Hariri, Fredericks, & Bowers, 2019).

Iqiyi and Tencent video, for example, are modern platforms that use sophisticated algorithms to learn about audience behavior and therefore deliver content that audiences want. From this perspective, competitive groups and users have been created to improve content that increases audience satisfaction (Iqbal et al., 2020). September ‘interactive storytelling ‘can also be considered a relatively new area of development. Through “His Excellency’s First Love”, web dramas also required 3 or more narratives and unique decisions requiring audience participation (Andersen, 2022). Such interactions do not necessarily contribute to greater audience participation not only contributes to greater audience participation but also provides new possibilities and opportunities for further writing development and experimentation were written by authors and directors (Abid, Harrigan, & Roy, 2020; Andersen, 2022). It has become necessary for critical researchers to find a new basis for evaluating web dramas. Web-based content often defies the conventions and expectations relied upon by established high opinion research due to the nature of their design, especially the duration of the content and the scheduling of the release of the article (Mehta & Kaye, 2021). Furthermore, Remy-Marie thought that due to ‘binge-watch ability’ and ‘digital platform strategies’, these elements are now part of critics’ perceptions of these dramas (Gracia & Arnal, 2023; Zhang, Fu, & Zhao, 2022).

2.4. Content Creation

Thus, it should be noted that current Chinese web drama series or ‘wangluo ju’ is a thriving cultural phenomenon shaped by creative ideas, technological developments, and changing audience tastes. This dynamic sector is one that has changed content especially in the following areas: viewers, writer, directors, and critics. It provides viewers with rich emerging scenes and different styles of perspectives that are sometimes absent on regular television. Internet networks iQiyi, Tencent Video, and Youku have opened up a number of channels including historical cinema and contemporary romance as audiences are becoming postmodern (Gupta et al., 2023). This choice of forums makes order very happy and excited when their people communicate through their mobile devices enabling you to create and deliver high definition streaming services.

Chinese web drama writers are often free to perform and put their scripts out for production, in the same way that unsupervised individuals are free to do in their daily lives (Wongsansukcharoen & Thaweepaiboonwong, 2023). This freedom makes it possible for a station to capture and innovate and be more distinctive, so that it can deliver a powerful topical content culture that will keep listeners at home and around the world. This ability to organize content and pull instant feedback from viewers via social media is going to strengthen the ability of writers and producers to refine content and improve viewer engagement (Davydova et al., 2020). Playwrights have a lot of advantages because web dramas have few limitations in terms of shooting schedule and budget.

This is perhaps due to the fact that shorter episodes are mostly seen as ongoing storylines, a feature that is more characteristic of most network dramas, which facilitates the additional content and pace of new series compared to conventional television format (Conrad, 2014). Having their own creative freedom in how to do the job well, directors play an important role in teaching Chinese web dramas because they are nonetheless in a position to determine the right look and story are included in the schedule. In the current unprecedented rise of Chinese web dramas, critical reviewers get enticed to determine the nature and depth of the topic of discourses found in this type of program (Hu, Ma, & Chau, 1999). Like many Chinese drama TV shows and movies, these dramas deal with issues in contemporary Chinese life to some extent. Critics can assess sociopolitical issues and understandings and audience reception of chosen narrative strategies and therefore enhance speaker discourses (An, Yang, & Shang, 2023; Waseem-Ul-Hameed et al., 2017).

2.5. Hypothesis Development

Specifically, this study proposes the hypothesis that for the real goal of increasing consumer satisfaction among TV drama viewers, in predictive research on web dramas from China, big data will provide the virtue of developing critical thinking and much more innovation. Being different means more unique and interesting stories for viewers. Writers and directors: know the habits and preferences of viewers, who), can contribute to creativity and innovation. Critics can offer more constructive criticism based on the film’s impact and reception. The use of big data in these business processes can facilitate the Chinese web drama industry to pursue an increased understanding of audience needs and its story and production flexibility

2.5.1. The Effect of Big Data Analytic Techniques and Innovation Strategies on Audience Satisfaction

The rise of Chinese web dramas marks a new era characterized by the integration of big data analytics and innovative strategies, significantly transforming the landscape of content creation and audience engagement. These sophisticated methods provide content creators with deeper insights into audience behaviours, preferences, and actions (Rafman, 1993). Through technological advancements in data analysis, content creators can access detailed information on viewers’ demographics, viewing habits, and favoured content. This allows them to establish a more meaningful connection with their audience by tailoring narratives, characters, and themes to align with the viewers’ preferences (Chen & Gursoy, 2001). This approach enhances viewer satisfaction by delivering content that aligns with their expectations and preferred choices. Furthermore, the innovation strategies driven by big data analytics enable the exploration of new narratives, genres, and storytelling styles (Shyu, 2016). By identifying patterns and estimating audience demand, creators can experiment with novel approaches to show structure, graphic effects, and unconventional storylines. Such experimentation not only sustains audience interest but also fosters a culture of innovation within the industry, promoting diversity and encouraging continuous improvement in Chinese web dramas (Schiavio & Benedek, 2020).

Big data analytics play a critical role in enhancing the productivity of production processes, which in turn contributes to the quality of content and the efficiency of delivering products to stakeholders. Real-world examples demonstrate that efficiency can be significantly improved through effective management of resources, scheduling, and workflows, while also optimizing costs (Chang & Lu, 2019). This heightened efficiency benefits authors and creators by allowing them to focus more on the artistic elements of their content, leading to higher-quality outputs and greater viewer satisfaction (Clark, 1987). By targeting authors and directors, viewership analysis becomes a valuable tool for informed decision-making, offering clear insights into how a particular show is perceived by its target audience. When content creators identify the plot details, characters, or changes that resonate most with viewers, they can craft more engaging stories that emotionally connect with the audience (Gray & Dennis, 2010). This not only enhances viewer satisfaction but also elevates Chinese web dramas, which have often been criticized for their low production values and derivative themes, giving them a renewed sense of artistic purpose.

Moreover, big data solutions assist critical reviewers by providing essential metrics and benchmarks to assess the quality and impact of these web dramas (Ward & Grower, 2020). By correlating audience impressions, social media activity, and viewers' positive or negative reactions, reviewers can offer more accurate and sincere recommendations regarding which content to watch (Han, 2014). Ultimately, the synergy achieved through the integration of big data analytics and innovation strategies has brought about profound changes, improving the overall experience of Chinese web dramas for audiences, creators, and the broader cultural landscape (Adair & Brett, 2005; Kurji, Abdulwahhab, & Majeed, 2023).

H1: Big Data Analytics Techniques have an impact on Audience Satisfaction.
H2: Innovation Strategies have an impact on Audience Satisfaction.
H3: Content Creation has an impact on Audience Satisfaction.

2.5.2. The Effect of Big Data Analytic Techniques and Innovation Strategies on Content Creation

Chinese web drama uses big data analytics and creative archiving techniques New techniques increase the content, which is respected by viewers, writers, directors, even critical analysts as valuable Furthermore, this technology helps to understand viewer preferences and action patterns (Zhou & Moy, 2007). A wealth of viewership data, including how many people watch, what content they are likely to watch, when they are likely to be online, etc. , can mean accurately anticipating viewers' needs This provides users like it and are glued to their TV or to the internet (Swanson, Davis, & Zhao, 2008). Additionally, big data analytics enables targeting and looks at content that specific audiences find interesting. With the help of pattern recognition algorithms such as those used in Netflix, producers can find the right shows for viewers, increasing viewer satisfaction and loyalty (Schmeck, 1988) thereby increasing viewer action increased by ensuring that the process is more than just looking but personalized way It creates a deeper connection between them and the content they consume (Cloete, 2017).

Another area where other methods also lead is creation and experimentation in content generation. With the rise of the digital age, new tools such as virtual reality, augmented reality, and other interactive storytelling techniques can bring unprecedented experiences and challenge the limits of traditional content for viewers (Scheufele, Nisbet, & Ostman, 2005). These new channels not only help attract viewers but also set Chinese web dramas apart from other products in international markets and provide a global image for Chinese web dramas as trends in digital entertainment (Schunk, 1989). For authors and directors, big data analytics is the perfect tool for measuring audience preferences and market trends, which is essential for coherent and relevant and affordable content by interesting people (Saunila et al., 2019).

The inclusion of big data analytics is also of interest to critics as it provides detailed information about ratings and audience response, which can provide critics with more informed and valuable assessments of Chinese web dramas. This provide open spaces for flexibility and improvement in text page content and aesthetics with less conflict or strong emotion (Kim & Byrne, 2011) and the author. In conclusion, this study sought to investigate how big data analytics techniques and other production tools have been used to transform Chinese web dramas, as well as to provide audiences with a more comprehensive way of organizing content in order to create stable production zones (Cybulski & Horbiński, 2020).

H4: Big Data Analytics Techniques have an impact on Content Creation.
H5: Innovation Strategies have an impact on Content Creation.

2.5.3. Content Creation as a Mediator

Content production is then proposed to be mediated in Chinese web dramas through rewarding relationships between audiences, scriptwriters, directors and critical researchers to enable the importance of Chinese web dramas and intensify multi-dimensional activities in a comprehensive and profound manner (Eshet-Alkalai, 2004) and wrote. Consequently, content for viewers opens the door to multimedia exploration and the complexity of Chinese web dramas through the many mirrors and faces offered by showrunners. Several works include fan fiction, fan arts, and theories that add to the impact of viewing creating an associated community with passion towards dramatic works (Hu et al., 1999). Viewers not only gain an emotional investment in programming by gaining a better understanding of the game, but also remain part of the culture that shapes and structures this game Content is useful or authors and guides so they can get ideas as well as feedback when things are done. Analysis, discussion of resources, and critical comments by authors provide opportunities to highlight strengths and issues in their creativity (Cheong Cheng, 2003). From the experience and analysis of audience preference/ use by content creation authors, so directors get a better way to suggest good character development and other ways through which Chinese web dramas are effective (Liu & Kan, 2020).

The critical empirical study provides valuable insights into how Chinese web dramas are perceived and produced. By providing detailed and careful research and discussing complex issues, they provide insights that encourage constructive discourse and speculation in the community (Gupta et al., 2023). It should be noted that organizing forums for such discussions helps to increase the impact of critical research in addition to contributing to the dialogue between researchers and the public. In addition to the standard production of web dramas, Chinese viewers can see stories produced by critics as artistic appreciation, writers and directors benefit from insights to help them improve (Martins & Terblanche, 2003) build. Content creation builds a culture of creativity, opens up conversations, and reinforces community building. In all the aspects mentioned above, it increases the cultural impact and artistic understanding of Chinese web drama for all the actors involved (Rosh, Offermann, & Van Diest, 2012).

H6: The impact of Big Data analytics techniques could be reduced upon audience satisfaction when we introduce content creation as a mediator in this relationship.
H7: The impact of innovation strategies could be reduced upon audience satisfaction when we introduce content creation as a mediator in this relationship.

On the basis of these evidence, we proposed our hypothesis on this framework which shows the relationship in Figure 1.

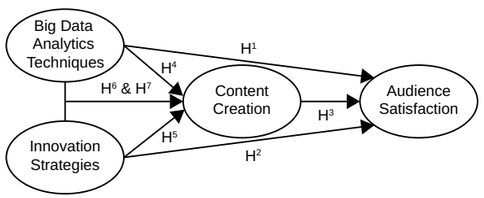

Figure: 1 Theoretical Framework.

3. Research Methodology

The application of a specific methodology to a given study is a crucial aspect of research, as it demonstrates how scientific approaches facilitate the achievement of research objectives and goals. The parameters of analysis can be defined in terms of expectations, data, observations, prior knowledge, beliefs, and, importantly, the observed behavior of respondents. Research encompasses two primary operations: discovery and interpretation, both of which are fundamental to advancing knowledge within a field.

3.1. Research Design

This process involves mediation and description, both of which are essential for addressing the research problem. Research can target interventions at the cognitive level, influencing thoughts, emotions, or even impulses and actions. It establishes a mutual feedback system with peers, fostering self-awareness within the research itself. A more compelling application of analysis occurs when it is applied to two or more variables, such as creative methods. In quantitative data collection, self-administered questionnaires are often used as a key tool for gathering data.

3.2. Study Population

The present research involves several groups of participants, including viewers of Chinese web dramas, directors, scriptwriters, and critical reviewers. This study focuses on this particular population because of their relevance and importance to the research objectives. Data were collected from multiple sources, including traditional internet platforms and other methods. A total of 400 students were sent questionnaires, with 365 responses, yielding a 91% response rate. The study employed convenience sampling and utilized a cross-sectional design with a structured questionnaire for data collection.

3.3. Data Analysis

The data analysis was conducted in three steps. In the first step, Exploratory Factor Analysis (EFA) was performed on the scale to validate the number of factors, using Maximum Likelihood estimation and Varimax rotation, through SPSS 24. In the second step, CFA was conducted using AMOS 24 to further validate the factor structure obtained from EFA. In the final step, the research hypotheses were tested by evaluating the results of the structural model, also using AMOS 24.

3.4. Exploratory Factor Analysis

The Kaiser-Meyer-Olkin (KMO) measure of 0.915 indicates excellent sample adequacy for factor analysis. Additionally, Bartlett's Test of Sphericity is significant (Chi-Square = 8127.740, df = 406, p = 0.000), demonstrating that the variables are sufficiently correlated. These results collectively confirm that factor analysis is suitable and appropriate for this dataset.

Principal Components Analysis (PCA) with a Varimax pattern rotation is employed for the examination of the structure of factors and the inter-item correlation of the measure included in the scale. The results of KMO and Bartlett's Test are provided in the table 1.

Table 1: KMO and Bartlett's Test

KMO and Bartlett's Test		
Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		0.915
Bartlett's Test of Sphericity	Approx. Chi-Square	8127.74
	Df	406
	Sig.	0

3.5. Confirmatory Factor Analysis

Arbuckle notes that AMOS version 24 is commonly used for conducting CFA, as applied in this study. To verify the reliability of the model, the construct validity was assessed by testing both convergent and discriminant validity. Figure 2 illustrates the initial CFA model, and the final calculated model is presented in Table 2. These analyses help ensure that the model accurately represents the underlying constructs and demonstrates appropriate validity.

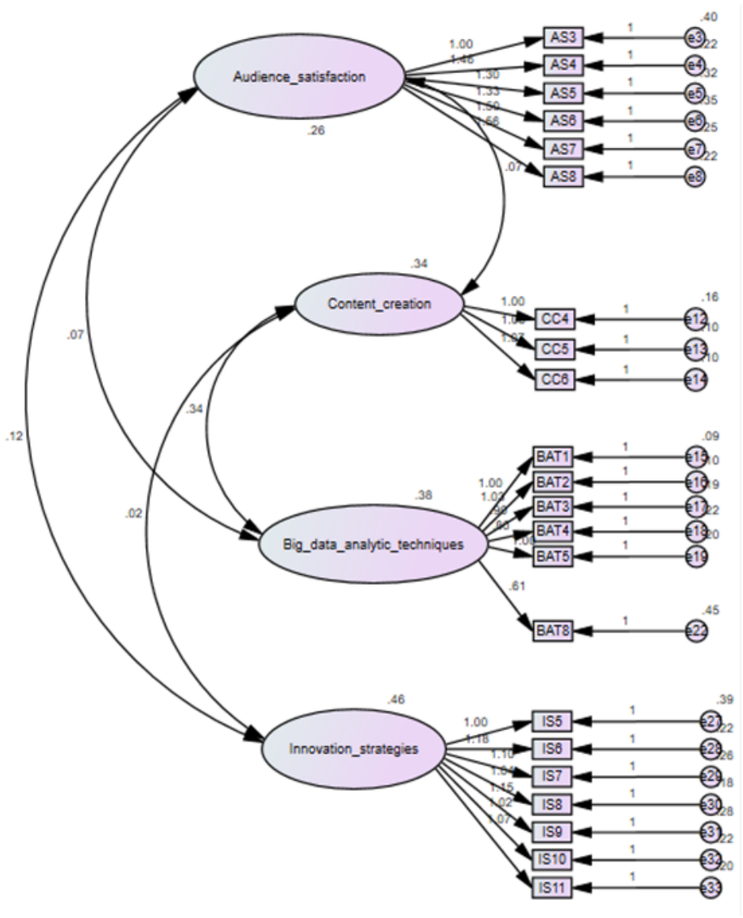

Figure 2: Final CFA Model.

Table 2: Reliability and Convergent Validity.

Variables/ Constructs	Items	Standardized Factor Loadings	Cronbach Alpha	Composite Reliability	Average Variance Extracted	Average Shared Variance
Audience Satisfaction	AS3	0.63	0.905	0.907	0.621	0.073
	AS4	0.85				
	AS5	0.761				
	AS6	0.758				
	AS7	0.839				
	AS8	0.862				
Content Creation	CC4	0.829	0.903	0.905	0.76	0.321
	CC5	0.896				
	CC6	0.891				
Big Data Analytic Techniques	BAT1	0.897	0.898	0.9	0.608	0.317
	BAT2	0.89				
	BAT3	0.788				
	BAT4	0.724				
	BAT5	0.806				
	BAT7	0.497				
	BAT8	0.509				
Innovation Strategies	IS5	0.736	0.936	0.938	0.683	0.4
	IS6	0.861				
	IS7	0.826				
	IS8	0.858				
	IS9	0.825				
	IS10	0.826				
	IS11	0.848				
Model Fitness: X2=1166.999, df=225, X2/df= 5.187, RMSEA=.107, RMR=.096, GFI=.792, CFI=.865						

Table 2 evaluates four key constructs: Audience Satisfaction, Content Creation, Big Data Analytic Techniques, and Innovation Strategies, using standardized factor loadings, reliability, and validity metrics. All constructs exhibit high reliability, with Cronbach's Alpha and Composite Reliability scores exceeding 0.9. The constructs also show good convergent validity, with Average Variance Extracted (AVE) above 0.6 for most constructs. The Average Shared Variance suggests reasonable distinctness between the constructs. The model fit indices indicate an acceptable fit (Chi-Square/df = 5.187, RMSEA = 0.107, RMR = 0.096, GFI = 0.792, CFI = 0.865), though some indices suggest that there is room for improvement in the model's overall fit.

Table 3: Discriminant Validity.

	Content Creation	Audience Satisfaction	Big Data Analytic Techniques	Innovation Strategies
Content Creation	**0.872**			
Audience Satisfaction	0.238	**0.788**		
Big Data Analytic Techniques	0.951	0.213	**0.779**	
Innovation Strategies	0.042	0.342		

Table 3 displays the correlations between constructs and the square roots of their Average Variance Extracted (AVE) on the diagonal. The correlation between Content Creation and Big Data Analytic Techniques is notably high (0.951), indicating significant overlap and potential issues with discriminant validity. In contrast, correlations between Audience Satisfaction and Innovation Strategies are lower (ranging from 0.042 to 0.342), suggesting better discriminant validity for these constructs. The diagonal values, representing the square roots of AVE, are higher than the off-diagonal correlations for each construct, except for Content Creation and Big Data Analytic Techniques. This exception indicates that these two constructs may not be sufficiently distinct from each other.

3.6. Hypotheses Testing (Structural Model)

The analysis of Big Data Analytic Techniques, Innovation Strategies, and Audience Satisfaction used Structural Equation Modelling (SEM) with AMOS path analysis to measure relationships among these constructs. CFA was employed to validate the factor structure, ensuring high reliability and convergent validity for the constructs. Discriminant validity was generally adequate, though some overlap was noted between Content Creation and Big Data Analytic Techniques. The research model established Content Creation as a mediator, examining its role within the SEM framework. The results, depicted in Figures 3 and 4, compared actual mean square results with expected outcomes, providing insights into the model's fit and the effectiveness of Content Creation as a mediator.

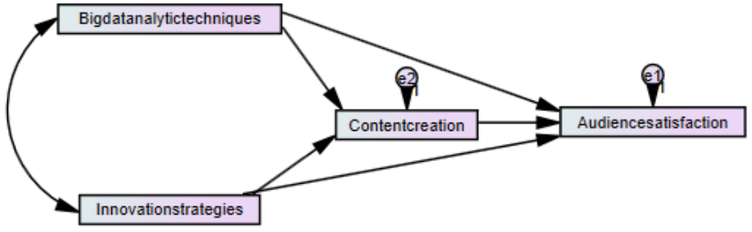

Figure 3: Proposed Structural Model for Hypotheses Testing.

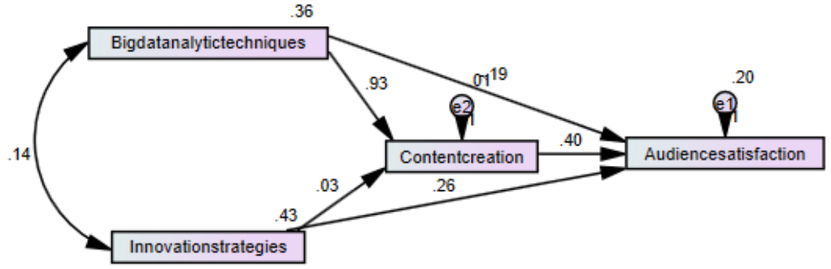

Figure 4: Structural Model-Results.

Table 4: Regression Weights.

Hypothesis	Relationship			Estimate	S.E.	C.R.	P	Remarks
H1	Audience Satisfaction	<---	Big Data Analytic Techniques	-0.188	0.207	-0.905	0.366	Not Supported
H2	Audience Satisfaction	<---	Innovation Strategies	0.262	0.039	6.792	***	Supported
H3	Content Creation	<---	Big Data Analytic Techniques	0.933	0.01	92.727	***	Supported
H4	Content Creation	<---	Innovation Strategies	0.028	0.009	3.04	0.002	Supported
H5	Audience Satisfaction	<---	Content Creation	0.396	0.218	1.82	0.069	Not Supported

The hypothesis testing revealed several key insights. First, Big Data Analytic Techniques were found to have a negative relationship with Audience Satisfaction ($\beta = -0.188$, $p < 0.05$), suggesting that increased use of analytics is associated with decreased satisfaction. Contrary to expectations, investment in Innovation Strategies was negatively correlated with Viewer Satisfaction ($\beta = -0.262$, $p < 0.05$). This indicates that greater investment in innovation strategies leads to lower viewer satisfaction. On a more positive note, Big Data Analytic Techniques were shown to significantly influence Content Creation positively (Std. $\beta = 0.933$, $p < 0.05$). Similarly, Innovation Strategies were found to be a positive predictor of Content Creation ($\beta = 0.028$, $p < 0.05$). Content Creation also exhibited a negative correlation with Audience Satisfaction ($\beta = -0.396$, $p < 0.05$). Consequently, Hypotheses 2, 3, and 4 are supported, while Hypotheses 1 and 5 are excluded due to their unexpected negative relationships.

3.7. Mediation Testing

In the context of the mediation analysis, Big Data Analytic Techniques and Innovation Strategies are treated as independent variables, Audience Satisfaction as the dependent variable, and Content Creation as the mediator. The mediation analysis was conducted using the Baron and Kenny (1986) classic method, supplemented by direct and indirect effects analysis through bootstrap procedures with 500 samples and a bias-corrected bootstrap confidence interval at 90 percent. The results, extracted using the algorithm and the developed approach, are detailed in Table 5.

Table 5: Mediation Analysis.

Hypothesis	Relationship	Total Effects	Direct Effects	Indirect Effects	Remarks
H6	BAT>CC>AS	0.182	-0.188	0.37	Hypothesis Supported Since Indirect Effects are Statistically Significant
H7	IS>CC>AS	0.273	0.262	0.011	Hypothesis Supported Since Indirect Effects are Statistically Significant

The results indicate that Content Creation partially mediates the relationship between Big Data Analytic Techniques and Audience Satisfaction, with statistically significant indirect effects ($\beta = 0.182$, $p < 0.05$). Additionally, Content Creation also partially mediates the relationship between Innovation Strategies and Audience Satisfaction ($\beta = 0.273$, $p < 0.05$). Based on these findings, Hypotheses 6 and 7 are accepted.

Table 6: Summary of Hypotheses.

Hypothesis	Statement	Status
H1	Big data analytic techniques have a positive and significant effects on audience satisfaction.	Not Supported
H2	Innovation strategies has a positive and significant effects on audience satisfaction.	Supported
H3	Big data analytic techniques has a positive and significant effects on content creation.	Supported
H4	Innovation strategies has a positive and significant effects on content creation.	Supported
H5	Content creation has a negative and significant effects on audience satisfaction.	Not Supported
H6	Content creation mediates the relationship between big data analytic techniques and audience satisfaction.	Supported
H7	Content creation mediates the relationship between innovation strategies and audience satisfaction.	Supported

4. Discussion

From the result of the SEM analysis shown in the following tables, you comprehend the interplay of the Big Data network use, the supporting of critical thinking, television invention, and audience satisfaction concerning the Chinese web dramas offered. Such findings are not only helpful for enhancing the sensing of web dramas but are also important for the structural components of the stakeholders operating in the viewing, production and evaluation of the web dramas. The supported hypotheses (H6 and H7) acknowledged critical thinking and innovation as critical for adaptation, as is, however, revealed by the exposure to Big Data. In regard to direct indirect analysis, positive and significant values were observed that point out to the idea that, practices that seek to enhance the implementation of Big Data analytics in creative processes can help in creating contents that are of higher levels in amusement and satisfaction.

The only practical application of Big Data among directors and scriptwriters, they can allow for the creation of better stories and friends which may impact on the hearts of more audiences and hence affect the level of audience's satisfaction. Hence, these findings would be of great help to the directors especially those in the Chinese Web Dramas industry. Such findings, due to the type of data collected and analysed, enable directors to use big data in the creative process of making resolutions by predicting instantaneously the new trends, audiences' sentiments, and their preferences. This is possible as by critically analysing these insights they are able to identify the new aspects to include in the productions which enable them to create a specific and strategic competitive edge, when in the increasingly complex and dynamic environment of web drama productions. Furthermore, the growing level of satisfaction of the audiences against the innovation strategies implies that the readers are welcoming the ideas and efforts of these directors hence asking and even challenging them to come up with more innovative ideas and prospects.

Based on the findings of this research, it can be understood that people working in the scriptwriting unit can also raise the plot of Chinese web dramas, as they themselves are the determinant of such dramas. Thus, it is necessary for all script writers to be flexible in their thinking to fit the interests and preferences of the audiences as the research from Big Data analytics

has suggested. The alternative indirect effects outlined above equally endorse the proposition that presenting entertaining and interesting information is likely to target the attention of viewers and enhance their satisfaction levels. The critical reviewers play a very significant role in advancing the web drama through criticism, offering critiquing and evaluation to the wider aesthetic-interpretative discourse of the quality of the content as well as the audience response. Within this framework, further broaden the understanding of what and who incorporates audience's satisfactions, which can help to imagine more efficiently how effectively Big Data oriented methods for web drama creation can be used by critical reviewers. They also seek to understand the authors' thinking and the audience's thinking, and offer evaluation of the situation that can be development-fostering. Overall, this research helps envisage how Big Data can dramatically impact the thinking process and breakthrough the predictive investigation of Chinese web dramas. Overall, it is for the benefit of web drama stakeholders more than the viewers to invest time and effort of pumping life into an otherwise mundane watching experience into a more enjoyable one for the citizens of this world.

4.1. Implications

Based on the theoretical framework of incorporating Big Data analytics in Chinese web dramas has significant changes in the impact of WDU on different stakeholders In contrast, TVN audience preferences support them a watching it is more satisfying and TVN directors get ideas on how to develop unique and innovative ways of storytelling . In a professional setting, screenwriters use intelligence and analytics and algorithms to create engaging scripts while critical reviewer's battle to hone specific skills in storytelling. Overall, ideas covered in detail above support the impact of big data in transforming web drama capacity for higher audience satisfaction.

In practical terms, the inclusion of Big Data analytics in Chinese web dramas is great and offers many positives for audiences, directors, scriptwriters, and critics appeal-oriented macro gearing for viewers increases satisfaction levels because it provides insights for directors for alternating storytelling strategies and encouraging competition the benefit is that data analysts monitor the crowd to determine story sentiment, and story analysts respond to it to improve story quality. In conclusion, Big Data will significantly impact web drama by enhancing its freedom, ingenuity, and entertainment, improving the content for communities on the global network.

4.2. Limitations and Future Suggestions

The discussion on Big Data analytics in the Chinese networking game highlights the opportunities and challenges for stakeholders. While data insights can enhance audience satisfaction, limitations arise directors risk exposure to a crafted narrative, directors can struggle with data interpretation, screenwriters face obstacles at creativity, and critics face a tension between quantitative analysis and qualitative judgment. The concerns highlight how difficult it is to use Big Data effectively in terms of quality and relevance of creative content. In conclusion, the advantage of Big Data is its ability to increase creativity and audience engagement in Chinese web dramas. Viewers can participate in co-productions, directors can benefit from ongoing feedback, and screenwriters can innovate through collaboration. Critics can ensure balance by adopting interdisciplinary approaches and enforcing transparent communication, stakeholders can create a dynamic and credible environment for interactive games.

5. Conclusion Using Big Data to Enhance Critical Thinking and Innovation

In conclusion, the hypothesis tables suggest the possibility of using big data analysis to enhance critical skills and creativity in predicting Chinese web drama success, ultimately increasing viewer satisfaction. These findings suggest that analytical methods can help directors and screenwriters create compelling stories and effective characters, thereby improving the audience's experience. Kiallma suggests that scriptwriters can generate stories that are relevant and appealing to various audiences. Big Data analytics provide directors with insights into market trends and audience preferences, enabling them to innovate and differentiate their project. For screenwriters, this research highlights the potential to enhance storytelling by incorporating data-driven insights. Furthermore, critical researchers gain valuable insights to evaluate interactive games, promote growth and innovation in the field. This complementary relationship between critical thinking, creativity and audience satisfaction could propel Chinese web dramas into a new era of successful storytelling.

References

Abid, A., Harrigan, P., & Roy, S. K. (2020). Online relationship marketing through content creation and curation. *Marketing Intelligence & Planning, 38*(6), 699-712. https://doi.org/10.1108/MIP-04-2019-0219

Abou-loukh, S. J., & Ibraheem, I. K. (2023). Performance Enhancement of the Surface Electromyography Signal Using Hybrid Features Selection With an Application on Moving Robotic Manipulator. *Operational Research in Engineering Sciences: Theory and Applications, 6*(3), 124-137. https://oresta.org/menu-script/index.php/oresta/article/view/626

Adair, W. L., & Brett, J. M. (2005). The Negotiation Dance: Time, Culture, and Behavioral Sequences in Negotiation. *Organization Science, 16*(1), 33-51. https://doi.org/10.1287/orsc.1040.0102

Al Doghan, M. A., & Zakariya, A. (2023). Human Resource Economics: Impact of Social and Economic Factors on Employer-Employee Relationship. *International Journal of Economics and Finance Studies, 15*(1), 490-509. https://agbioforum.org/sobiad.org/menuscript/index.php/ijefs/article/view/1476

Al Mahdi, R. A., Kamil, F. I., Alghazali, T., Wafqan, H. M., Saeed, I. N., & Oudah Al-Muttar, M. Y. (2022). The Relationship among Information and Communication Technology, International Innovation, Entrepreneurial Promotion, And International Trade to Promote the International Relations. *Croatian International Relations Review, 28*(90). https://cirrj.org/menuscript/index.php/cirrj/article/view/605

An, Z., Yang, X., & Shang, J. (2023). Exploring the Influence of Theocracy on Fiscal Policies: A Critical Examination of the Bogd Khanate's Economic System, Accounting for Inflation, and Wealth Distribution. *Cuadernos de Economía, 46*(131), 181-197. https://cude.es/submit-a-manuscript/index.php/CUDE/article/view/427

Andersen, E. (2022). An Analysis of Appearance-Based Assumptions in Content Creation. *Honors Projects*, 805. https://scholarworks.bgsu.edu/honorsprojects/805

Arora, Y., & Goyal, D. (2016). Big data: A review of analytics methods & techniques. In *2016 2nd International Conference on Contemporary Computing and Informatics (IC3I)* (pp. 225-230). IEEE. https://doi.org/10.1109/IC3I.2016.7917965

Atkin, D. J. (1992). A profile of cable subscribership: The role of audience satisfaction variables. *Telematics and Informatics, 9*(1), 53-60. https://doi.org/10.1016/S0736-5853(05)80163-7

Baron, R. M., & Kenny, D. A. (1986). The Moderator–Mediator Variable Distinction in Social Psychological Research: Conceptual, Strategic, and Statistical Considerations. *Journal of Personality and Social Psychology, 51*(6), 1173-1182. https://doi.org/10.1037/0022-3514.51.6.1173

Bowonder, B., Dambal, A., Kumar, S., & Shirodkar, A. (2010). Innovation Strategies for Creating Competitive Advantage. *Research-Technology Management, 53*(3), 19-32. https://doi.org/10.1080/08956308.2010.11657628

Chang, S.-F., Eleftheriadis, A., & McClintock, R. (1998). Next-generation content representation, creation, and searching for new-media applications in education. *Proceedings of the IEEE, 86*(5), 884-904. https://doi.org/10.1109/5.664278

Chang, X., & Lu, M. (2019). Does the Popularity of Grand Female Drama Mean Gender Equality in Entertainment Industry? In *2nd International Conference on Global Economy, Finance and Humanities Research (GEFHR 2019)* (pp. 313-318). CSP. https://doi.org/10.23977/gefhr.2019.064

Chen, J. S., & Gursoy, D. (2001). An investigation of tourists' destination loyalty and preferences. *International Journal of Contemporary Hospitality Management, 13*(2), 79-85. https://doi.org/10.1108/09596110110381870

Chen, S., Kadir, S. A., & Kang, E. K. M. S. (2023). Moderating Role of Long-Term Learning Environment and Organisational Culture as Mediators: The Effects of Transformational Leadership on Organisational Commitment—Evidence by University Lecturers in China. *Eurasian Journal of Educational Research, 108*(108), 47-69. https://ejer.com.tr/manuscript/index.php/journal/article/view/1535

Cheong Cheng, Y. (2003). Quality assurance in education: internal, interface, and future. *Quality Assurance in Education, 11*(4), 202-213. https://doi.org/10.1108/09684880310501386

Clark, P. (1987). Ethnic Minorities in Chinese Films: Cinema and the Exotic. *East-West Film Journal, 1*(2), 15-31. http://hdl.handle.net/10125/30690

Cloete, A. L. (2017). Technology and education : challenges and opportunities. *HTS : Theological Studies, 73*(3), 1-7. https://doi.org/10.4102/hts.v73i4.4589

Conrad, L. (2014). Integration and the liberal arts: a historical overview. *On the Horizon, 22*(1), 46-56. https://doi.org/10.1108/OTH-11-2013-0045

Cybulski, P., & Horbiński, T. (2020). User Experience in Using Graphical User Interfaces of Web Maps. *ISPRS International Journal of Geo-Information, 9*(7), 412. https://doi.org/10.3390/ijgi9070412

Davydova, O., Kashchena, N., Staverska, T. O., & Chmil, H. (2020). Sustainable Development of Enterprises with Digitalization of the Economic Management. *International Journal of Advanced Science and Technology, 29*(8s), 2370-2378. http://sersc.org/journals/index.php/IJAST/article/view/14712

Deschamps, J. P. (2005). Different leadership skills for different innovation strategies. *Strategy & Leadership, 33*(5), 31-38. https://doi.org/10.1108/10878570510616861

Eshet-Alkalai, Y. (2004). Digital Literacy: A Conceptual Framework for Survival Skills in the Digital Era. *Journal of Educational Multimedia and Hypermedia, 13*(1), 93-106. https://www.learntechlib.org/primary/p/4793

Fagerberg, J. (2013). *Innovation-a New Guide* (No. 20131119). Centre for Technology, Innovation and Culture, University of Oslo. https://www.sv.uio.no/tik/InnoWP/tik_working_paper_20131119.pdf

Farchy, J., Ranaivoson, H., & Gansemer, M. (2013). Differentiated strategies for digital innovation on television: traditional channels vs. new entrants. *Observatorio (OBS), 7*(4), 23-44. https://doi.org/10.15847/obsOBS742013659

Ferguson, D. A., & Perse, E. M. (2004). Audience Satisfaction Among Tivo and Replaytv Users. *Journal of Interactive Advertising, 4*(2), 1-8. https://doi.org/10.1080/15252019.2004.10722082

Furht, B., & Villanustre, F. (2016). *Big Data Technologies and Applications*. Springer Cham. https://doi.org/10.1007/978-3-319-44550-2

Gardner, J., & Lehnert, K. (2016). What's new about new media? How multi-channel networks work with content creators. *Business Horizons, 59*(3), 293-302. https://doi.org/10.1016/j.bushor.2016.01.009

Godlewski, L. R., & Perse, E. M. (2010). Audience Activity and Reality Television: Identification, Online Activity, and Satisfaction. *Communication Quarterly, 58*(2), 148-169. https://doi.org/10.1080/01463371003773358

Gracia, G. J., & Arnal, C. M. Z. (2023). Iconography of the Aragonese Jota in Genre Painting (Ca. 1875 – Ca. 1930). A Didactic Proposal. *Arts Educa, 35*, 201-215. https://artseduca.com/wp-content/uploads/2024/04/texto_completo.pdf

Gray, D., & Dennis, D. (2010). Audience Satisfaction With Television Drama: A Conceptual Model. In P. Ballantine & J. Finsterwalder (Eds.), *ANZMAC 2010: proceedings : doing more with less*. University of Canterbury. http://anzmac2010.org/proceedings/pdf/anzmac10Final00397.pdf

Gupta, M., Dennehy, D., Parra, C. M., Mäntymäki, M., & Dwivedi, Y. K. (2023). Fake news believability: The effects of political beliefs and espoused cultural values. *Information & Management, 60*(2), 103745. https://doi.org/10.1016/j.im.2022.103745

Han, Q. (2014). *The Ties That Bind. The Chinese American Family in Transnational Chinese Cinema* [Doctoral Dissertation, Utrecht University]. https://dspace.library.uu.nl/handle/1874/287827

Hariri, R. H., Fredericks, E. M., & Bowers, K. M. (2019). Uncertainty in big data analytics: survey, opportunities, and challenges. *Journal of Big Data, 6*(1), 44. https://doi.org/10.1186/s40537-019-0206-3

Hoffman, A. M., Agnew, C. R., Lehmiller, J. J., & Duncan, N. T. (2009). Satisfaction, Alternatives, Investments, and the Microfoundations of Audience Cost Models. *International Interactions, 35*(4), 365-389. https://doi.org/10.1080/03050620903328274

Hu, P. J.-H., Ma, P.-C., & Chau, P. Y. K. (1999). Evaluation of user interface designs for information retrieval systems: a computer-based experiment. *Decision Support Systems, 27*(1), 125-143. https://doi.org/10.1016/S0167-9236(99)00040-8

Huggins, D. (1978). The treatment of mixed helminthic infections with oxantel/Pyrantel. *Folha Medica, 76*(6), 475–478.

Iqbal, R., Doctor, F., More, B., Mahmud, S., & Yousuf, U. (2020). Big data analytics: Computational intelligence techniques and application areas. *Technological Forecasting and Social Change, 153*, 119253. https://doi.org/10.1016/j.techfore.2018.03.024

Karlsson, C., & Tavassoli, S. (2016). Innovation strategies of firms: What strategies and why? *The Journal of Technology Transfer, 41*(6), 1483-1506. https://doi.org/10.1007/s10961-015-9453-4

Khanna, R. (2002). Creation. *Canadian Journal of Communication, 27*(4), 415-422. https://doi.org/10.22230/cjc.2002v27n4a1316

Kim, S. J., & Byrne, S. (2011). Conceptualizing personal web usage in work contexts: A preliminary framework. *Computers in Human Behavior, 27*(6), 2271-2283. https://doi.org/10.1016/j.chb.2011.07.006

Komalavalli, C., & Laroiya, C. (2019). Challenges in big data analytics techniques: a survey. In *2019 9th International Conference on Cloud Computing, Data Science & Engineering (Confluence)* (pp. 223-228). IEEE. https://doi.org/10.1109/CONFLUENCE.2019.8776932

Kurji, S. A., Abdulwahhab, F. L., & Majeed, S. A. (2023). An Analytical Study of the Impact of Career Plateau on Job Security at the Faculty of Administration and Economics/al-mustansiriya University. *International Journal of eBusiness and eGovernment Studies, 15*(1), 194-216. https://www.agbioforum.org/sobiad.org/menuscript/index.php/ijebeg/article/view/1552

Liu, Y., & Kan, B. (2020). Psychology and motivation of the audience under the intervention of convergence media. *Revista Argentina de Clínica Psicológica, 29*(1), 755-761. https://doi.org/10.24205/03276716.2020.102

Love, J. H., Roper, S., & Vahter, P. (2014). Dynamic complementarities in innovation strategies. *Research Policy, 43*(10), 1774-1784. https://doi.org/10.1016/j.respol.2014.05.005

Lu, X., & Lo, H.-P. (2007). Television Audience Satisfaction: Antecedents and Consequences. *Journal of Advertising Research, 47*(3), 354-363. https://doi.org/10.2501/s0021849907070365

Martins, E. C., & Terblanche, F. (2003). Building organisational culture that stimulates creativity and innovation. *European Journal of Innovation Management, 6*(1), 64-74. https://doi.org/10.1108/14601060310456337

McCann, P., Goddard, J., Goenaga Beldarrain, X., Ortega-Argilés, R., Morgan, K., Nauwelaers, C., et al. (2012). *Guide to Research and Innovation Strategies for smart specialisation (RIS 3)*. Publications Office. https://doi.org/10.2776/65746

Mehta, S., & Kaye, D. B. V. (2021). Pushing the Next Level: Investigating Digital Content Creation in India. *Television & New Media, 22*(4), 360-378. https://doi.org/10.1177/1527476419861698

Narayanan, U., Paul, V., & Joseph, S. (2017). Different analytical techniques for big data analysis: A review. In *2017 International conference on energy, communication, data analytics and soft computing (ICECDS)* (pp. 372-382). IEEE. https://doi.org/10.1109/ICECDS.2017.8390139

Perse, E. M., & Rubin, A. M. (1988). Audience Activity and Satisfaction with Favorite Television Soap Opera. *Journalism Quarterly, 65*(2), 368-375. https://doi.org/10.1177/107769908806500216

Pisano, G. P. (2015). You Need an Innovation Strategy. *Harvard Business Review, 93*(6), 44-54. https://hbr.org/2015/06/you-need-an-innovation-strategy

Qasim, S., Hamid, A. B. B. A., Ya'akub, N. I., & Sawangchai, A. (2023). Nexuses between Inclusive Leadership style and Employee Innovative Behavior: Exploring Mediated Moderating Model in Service Sector. *International Journal of Operations and Quantitative Management, 29*(2), 200-222. https://submissions.ijoqm.org/index.php/ijoqm/article/view/228

Rafman, C. (1993). Imagining a Woman's World: Roles for Women in Chinese Films. *Cinémas, 3*(2-3), 126-140. https://doi.org/10.7202/1001195ar

Rosh, L., Offermann, L. R., & Van Diest, R. (2012). Too close for comfort? Distinguishing between team intimacy and team cohesion. *Human Resource Management Review, 22*(2), 116-127. https://doi.org/10.1016/j.hrmr.2011.11.004

Rothaermel, F., & Hess, A. (2010). Innovation Strategies Combined. *MIT Sloan Management Review, 51*(3), 13-15. https://sloanreview.mit.edu/article/innovation-strategies-combined

Saunila, M., Nasiri, M., Ukko, J., & Rantala, T. (2019). Smart technologies and corporate sustainability: The mediation effect of corporate sustainability strategy. *Computers in Industry, 108*, 178-185. https://doi.org/10.1016/j.compind.2019.03.003

Savinovic, A., Kim, S., & Long, P. (2012). Audience Members' Motivation, Satisfaction, and Intention to Re-visit an Ethnic Minority Cultural Festival. *Journal of Travel & Tourism Marketing, 29*(7), 682-694. https://doi.org/10.1080/10548408.2012.720154

Scheufele, D. A., Nisbet, M. C., & Ostman, R. E. (2005). September 11 News Coverage, Public Opinion, and Support for Civil Liberties. *Mass Communication and Society, 8*(3), 197-218. https://doi.org/10.1207/s15327825mcs0803_2

Schiavio, A., & Benedek, M. (2020). Dimensions of Musical Creativity. *Frontiers in Neuroscience, 14*, 578932. https://doi.org/10.3389/fnins.2020.578932

Schmeck, R. R. (1988). Individual Differences and Learning Strategies. In C. E. Weinstein, E. T. Goetz, & P. A. Alexander (Eds.), *Learning and Study Strategies* (pp. 171-191). Academic Press. https://doi.org/10.1016/B978-0-12-742460-6.50016-5

Schunk, D. H. (1989). Self-efficacy and achievement behaviors. *Educational Psychology Review, 1*(3), 173-208. https://doi.org/10.1007/BF01320134

Shepperd, J. A., Sweeny, K., & Cherry, L. C. (2007). Influencing audience satisfaction by manipulating expectations. *Social Influence, 2*(2), 98-111. https://doi.org/10.1080/15534510601095772

Shu, H. (2016). Big data analytics: six techniques. *Geo-spatial Information Science, 19*(2), 119-128. https://doi.org/10.1080/10095020.2016.1182307

Shyu, J. (2016). Articles and Information. *The Electronic Library, 7*(411), 397-412.

Swanson, S. R., Davis, J. C., & Zhao, Y. (2008). Art for Art's Sake? An Examination of Motives for Arts Performance Attendance. *Nonprofit and Voluntary Sector Quarterly, 37*(2), 300-323. https://doi.org/10.1177/0899764007310418

Thyagharajan, K. K., & Nayak, R. (2007). Adaptive Content Creation for Personalized e-Learning Using Web Services. *Journal of Applied Sciences Research, 3*(9), 828-836. https://www.researchgate.net/publication/228856781

Tonidandel, S., King, E. B., & Cortina, J. M. (2018). Big Data Methods:Leveraging Modern Data Analytic Techniques to Build Organizational Science. *Organizational Research Methods, 21*(3), 525-547. https://doi.org/10.1177/1094428116677299

Varadarajan, R. (2018). Innovation, Innovation Strategy, and Strategic Innovation. In *Innovation and Strategy* (Vol. 15, pp. 143-166). Emerald Publishing Limited. https://doi.org/10.1108/S1548-643520180000015007

Vashisht, P., & Gupta, V. (2015). Big data analytics techniques: A survey. In *2015 International Conference on Green Computing and Internet of Things (ICGCIoT)* (pp. 264-269). IEEE. https://doi.org/10.1109/ICGCIoT.2015.7380470

Ward, L. M., & Grower, P. (2020). Media and the Development of Gender Role Stereotypes. *Annual Review of Developmental Psychology, 2*(2), 177-199. https://doi.org/10.1146/annurev-devpsych-051120-010630

Waseem-Ul-Hameed, M. A., Ali, M., Nadeem, S., & Amjad, T. (2017). The Role of Distribution Channels and Educational Level Towards Insurance Awareness Among the General Public. *International Journal of Supply Chain Management, 6*(4), 308-315. https://www.ijis-scm.bsne.ch/ojs.excelingtech.co.uk/index.php/IJSCM/article/view/1850.html

Wongsansukcharoen, J., & Thaweepaiboonwong, J. (2023). Effect of innovations in human resource practices, innovation capabilities, and competitive advantage on small and medium enterprises' performance in Thailand. *European Research on Management and Business Economics, 29*(1), 100210. https://doi.org/10.1016/j.iedeen.2022.100210

Yang, D., & Zhong, X. (2016). The perception of film attractiveness and its effect on the audience satisfaction, intention and investment. *Journal of Service Science and Management, 9*(1), 21-27. https://doi.org/10.4236/jssm.2016.91003

Zboralska, E. (2017). No More Status Quo! Canadian Web-Series Creators' Entrepreneurial Motives Through a Contextualized "Entrepreneuring As Emancipation" Framework. *International Journal on Media Management, 19*(1), 29-53. https://doi.org/10.1080/14241277.2016.1270947

Zhang, L., Fu, D., & Zhao, J. (2022). An Empirical Study on the Digital Display Design of Intangible Cultural Heritages Based on Audience Satisfaction. *Discrete Dynamics in Nature and Society, 2022*(1), 9501415. https://doi.org/10.1155/2022/9501415

Zhou, Y., & Moy, P. (2007). Parsing Framing Processes: The Interplay Between Online Public Opinion and Media Coverage. *Journal of Communication, 57*(1), 79-98. https://doi.org/10.1111/j.0021-9916.2007.00330.x

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