

The future of newsrooms: new technologies and Multimedia platform

By

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Introduction

The future of newsrooms is closely linked to the evolving technologies and multimedia platforms that are shaping the way people consume and interact with news. This paper explores the current trends in newsroom technology and multimedia platforms and examines how these changes are likely to affect the future of journalism. The paper highlights the importance of developing strategies that are responsive to the changing media landscape and discusses the potential of emerging technologies such as augmented reality, artificial intelligence, and blockchain to transform the news industry. Additionally, the paper examines the role of social media, user-generated content, and data journalism in shaping the future of newsrooms. Overall, this paper provides insights into the complex and rapidly changing world of newsroom technology and multimedia platforms, and highlights the need for news (Picard, 2019).

The evolution of technology and multimedia platforms has transformed the media industry, and newsrooms have been significantly impacted by these changes. With the rise of social media platforms, citizen journalism, and online news outlets, traditional newsrooms have had to adapt to the changing landscape and find new ways to deliver content to their audiences.

One of the key challenges faced by newsrooms is the need to incorporate new technologies while maintaining journalistic standards and integrity. The use of automation and algorithms to generate news stories has become more prevalent, but there are concerns about the potential for bias and inaccuracies. Additionally, social media platforms have enabled the spread of misinformation and fake news, creating the need for newsrooms to fact-check and verify sources rigorously (Lee& Cho,2021).

On the other hand, new technologies and multimedia platforms also provide opportunities for newsrooms to reach new audiences and engage with them in innovative ways. The use of video, interactive graphics, and virtual reality has enabled newsrooms to create more immersive and engaging content, and social media platforms provide opportunities for audience engagement and feedback.

Overall, the future of newsrooms is inextricably linked to new technologies and multimedia platforms. As these continue to evolve, newsrooms will need to remain adaptable and innovative to stay relevant and competitive in the rapidly changing media landscape.

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The traditional model of newsrooms has undergone significant changes in recent years due to the emergence of new technologies and multimedia platforms. The digital revolution has transformed the way news is gathered, produced, and disseminated to the public. The proliferation of social media platforms and mobile devices has led to a new era of citizen journalism, where anyone with a smartphone can capture and share news in real-time. As a result, the role of traditional news organizations has been redefined, and they are now required to adapt to these new technologies to remain relevant.

The purpose of this research paper is to explore the future of newsrooms in the context of new technologies and multimedia platforms. The study will examine the impact of new technologies, including artificial intelligence, blockchain, and virtual reality, on the traditional model of newsrooms. It will also investigate the role of multimedia platforms such as Facebook, Twitter, and YouTube in shaping the news industry and the challenges facing traditional news organizations in adapting to these platforms.

The study will use a mixed-methods approach, including surveys, interviews, and case studies, to collect data from journalists, media experts, and newsroom managers. The research will also review existing literature and academic studies on the subject and provide an in-depth analysis of the findings.

The significance of this study lies in its potential to provide insights into the future of newsrooms and the challenges facing traditional news organizations in adapting to new technologies and multimedia platforms. The research findings will contribute to the current understanding of the transformation of the news industry and inform newsroom managers and journalists on how to remain competitive in the digital age (Örnebring,2018).

Problem Statement:

This research aims to explore the impact of new technologies and multimedia platforms on the future of newsrooms. Specifically, it seeks to answer the following research questions:

- 1. How have new technologies and multimedia platforms affected the traditional roles and functions of newsrooms?
- 2. What are the challenges and opportunities for newsrooms in the digital age?
- 3. What strategies can newsrooms adopt to stay competitive in the rapidly evolving media landscape?

Research objectives

The study aims to:

- 1. explore the current state of newsrooms and the challenges they face in adopting new technologies and multimedia platforms.
- 2. identify the different types of technologies and multimedia platforms that newsrooms are currently using and the benefits they provide.
- 3. investigate the impact of new technologies and multimedia platforms on the quality of journalism and the relationship between journalists and their audience.
- 4. assess the potential of emerging technologies, such as artificial intelligence and virtual reality, for transforming the way newsrooms operate and deliver news to their audience.
- 5. examine the role of social media platforms in the future of newsrooms and the challenges and opportunities they present for journalism.
- 6. propose strategies and recommendations for newsrooms to adapt and thrive in the rapidly evolving landscape of new technologies and multimedia platforms.



The literature review

The literature review will examine existing research and studies on the impact of new technologies and multimedia platforms on newsrooms. It will explore the history of newsrooms and how they have evolved over time, the challenges and opportunities posed by the digital age, and the strategies adopted by newsrooms to stay relevant in the changing media landscape.

1. Boczkowski, P. J., & Lievrouw, L. A. (2008). Bridging STS and communication studies: Scholarship on media and information technologies.

This study aims to explore the intersection between science and technology studies and communication studies, particularly focusing on media and information technologies. The study presents a theoretical framework for bridging these two fields and identifies research areas that can bring them closer together. The authors suggest that combining perspectives from both fields can lead to a more comprehensive understanding of the relationship between technology and society.

2. Bruns, A. (2018). Gatekeeping, citizen journalism, and social media.

This study investigates the evolving relationship between gatekeeping, citizen journalism, and social media in shaping the newsroom of the future. The author examines the changing roles of gatekeepers and journalists in the digital age, particularly focusing on the impact of social media on the production and distribution of news. The study concludes that citizen journalism and social media have the potential to democratize the news production process but also pose significant challenges to traditional journalistic practices.

3. Hermida, A., Fletcher, F., Korell, D., & Logan, D. (2012). Share, like, recommend: Decoding the social media news consumer.

This study aims to investigate how social media platforms are changing the way news is consumed and shared by audiences. The authors analyze the patterns of social media use for news consumption and identify the factors that influence sharing behavior. The study suggests that social media is transforming the traditional gatekeeping function of newsrooms and giving audiences a more active role in the news production process. However, the authors also highlight the potential risks of social media use, including the spread of misinformation and the erosion of journalistic standards.

4. Lewis, S. C., Holton, A. E., & Coddington, M. (2014). Reciprocal journalism: A concept of mutual exchange between journalists and audiences. The International Journal of Communication, 8, 1-17.

This study introduces the concept of reciprocal journalism, which refers to a mutually beneficial exchange of information and perspectives between journalists and audiences. The authors argue that the emergence of social media and other interactive technologies has created new opportunities for journalists to engage with their audiences and co-create news content. The study presents several examples of reciprocal journalism in practice and highlights the potential benefits of this approach for improving the quality and relevance of news.

5. Mair, J., & Keeble, R. (2017). The future of journalism: In an age of digital media and economic uncertainty. Routledge.

This study provides a comprehensive overview of the challenges facing the journalism industry in the digital age and offers insights into possible future developments. The authors analyze the impact of digital technologies on the business models, practices, and ethics of journalism and explore the potential of new platforms and tools for enhancing news production and consumption. The study concludes that the future of journalism will require a combination of innovation, adaptation, and collaboration between journalists, audiences, and other stakeholders.



Commenting on the literature review

The studies offers an interesting theoretical framework for bridging science and technology studies with communication studies, which is particularly relevant to the study of newsrooms and new technologies. By combining these two perspectives, researchers can gain a more comprehensive understanding of how media and information technologies shape society and vice versa. This approach could lead to valuable insights into the future of newsrooms and the impact of new technologies on journalism.

Also, its provides a useful analysis of the changing role of gatekeepers and journalists in the digital age, as well as the potential benefits and challenges of citizen journalism and social media. It highlights the need for newsrooms to adapt to new forms of news production and distribution, and to find ways to balance the benefits of audience participation with the risks of misinformation and loss of journalistic standards .on the other hand, it sheds light on how social media platforms are transforming the way news is consumed and shared by audiences. It highlights the importance of understanding the factors that influence sharing behavior and the risks of misinformation and erosion of journalistic standards. This study is relevant for newsrooms that seek to engage with their audiences through social media and other interactive technologies.

In addition to offers a valuable perspective on the potential benefits of reciprocal journalism, which involves a more active role for audiences in the news production process. It provides examples of how this approach has been successfully implemented and highlights its potential for improving the quality and relevance of news. This study is particularly relevant for newsrooms that seek to build more meaningful relationships with their audiences.

This studies provides a comprehensive overview of the challenges facing the journalism industry in the digital age and offers insights into possible future developments. It highlights the need for innovation and collaboration between journalists, audiences, and other stakeholders, and suggests that new platforms and tools offer exciting possibilities for enhancing news production and consumption. This study is a useful resource for anyone interested in the future of newsrooms and the role of new technologies in shaping the journalism industry.

The previous studies can be utilized in the current research in several ways, such as:

- 1. Using the results and recommendations of previous studies and applying them to the current research, while determining the degree of compatibility of these results with the context of the current research.
- 2. Using previous studies as a reference to support the hypotheses and results of the current research.
- 3. Focusing on aspects that have not been studied in previous studies, can contribute to expanding and enhancing knowledge about the topic of the current research.
- 4. Utilizing the deficiencies and weaknesses identified in previous studies to correct them in the current research and improve the quality of the results.

In general, previous studies can be used to deepen the understanding of the studied problem and direct the research in the right direction, by analyzing the results and recommendations of previous studies and using them to identify the areas of current research and guide them in the appropriate direction. RES MILITARIS

Theoretical Framework

Technological determinism theory and its relevance to the future of newsrooms

Technological determinism theory posits that technology is the driving force behind social and cultural change and that it has an inherent power to shape the way society operates. This theory suggests that technology shapes society more than society shapes technology.

In the context of newsrooms, technological determinism theory suggests that new technologies and multimedia platforms will have a significant impact on the way newsrooms operate in the future. As new technologies are developed and adopted, they will influence the way news is gathered, produced, and consumed. This will result in significant changes to the newsroom environment, as well as to the journalism profession as a whole (Orduña,2019).

For example, the rise of social media and mobile devices has transformed the way news is distributed and consumed and has led to the emergence of new forms of journalism such as citizen journalism and user-generated content (Cherubini, Nielsen, & Gulyás, 2016). The increased use of data analytics and artificial intelligence in newsrooms is also changing the way journalists work and the type of stories they produce (Mair & Keeble, 2018).

However, it is important to note that technological determinism theory has been criticized for oversimplifying the complex relationship between technology and society, and for underestimating the role of social and cultural factors in shaping technological development (Bijker, Hughes, & Pinch, 1987). Therefore, while technological determinism theory provides a useful framework for understanding the potential impact of new technologies on newsrooms, it is important to consider other theoretical perspectives as well.

Social construction of technology theory and its implications for newsrooms

The social construction of technology (SCOT) theory suggests that technology is not an independent entity, but rather it is shaped by social and cultural factors. According to this theory, technology is not predetermined but is shaped by the social and cultural contexts in which it is developed and used.

In the context of newsrooms, SCOT theory implies that the development and adoption of new technologies and multimedia platforms are influenced by the social and cultural factors in the newsroom environment. This means that the way newsrooms adopt new technologies and platforms is not only driven by technological capabilities and limitations, but also by social, cultural, and economic factors.

For example, newsroom culture and values, as well as economic pressures, may shape the adoption of certain technologies or platforms. Similarly, the needs and preferences of the audience may influence the types of technologies and platforms that newsrooms adopt.

SCOT theory also suggests that technologies are not neutral, but they have built-in biases and assumptions that reflect the social and cultural values of their creators. This means that the way technologies are designed and used can reflect and reinforce certain societal norms and power structures.

For example, algorithms used in newsrooms to curate and distribute news can perpetuate biases and inequalities if they are not designed with diversity and inclusion in mind. Therefore, it is important for newsrooms to critically examine the social and cultural



implications of the technologies and platforms they adopt and to actively work to address any biases or inequalities that may arise.

Overall, SCOT theory highlights the importance of understanding the social and cultural factors that influence the development and adoption of new technologies and platforms in newsrooms. It also emphasizes the need for critical reflection on the social and cultural implications of these technologies and platforms.

Uses and gratifications theory and its application to the audience engagement with news content

Uses and gratifications theory posits that audiences are active participants in their media consumption, and that they choose media content based on the gratifications they seek from it. This theory suggests that audiences have specific needs and preferences that they seek to fulfill through their media consumption.

In the context of news consumption, uses and gratifications theory implies that audiences choose news content that fulfills their information needs, but also their emotional and social needs. For example, audiences may seek news content that provides them with entertainment, helps them connect with their community, or supports their political beliefs.

Audience engagement with news content can be analyzed through the lens of uses and gratifications theory by examining the ways in which audiences seek to fulfill their needs and preferences through their interaction with news content. This can involve analyzing audience behavior, such as their social media sharing habits or their engagement with interactive features on news websites.

Understanding the gratifications that audiences seek from news content can help newsrooms to tailor their content to meet the needs and preferences of their audiences, and to engage them more effectively. For example, newsrooms may use social media to interact with audiences and provide them with opportunities to share their opinions and perspectives on news stories.

Overall, the uses and gratifications theory provides a useful framework for understanding audience engagement with news content. By analyzing the ways in which audiences seek to fulfill their needs and preferences through their interaction with news content, newsrooms can better understand their audiences and tailor their content to engage them more effectively.

Methodology

This research will employ a mixed-methods approach, utilizing both qualitative and quantitative data. Qualitative data will be gathered through survey methods on journalists, media experts, and industry leaders to gain insights into their experiences and perspectives on the impact of new technologies and multimedia platforms on newsrooms. Quantitative data will be collected through surveys of newsroom staff and analysis of industry data to provide statistical evidence to support the findings.

The statistical methods

This research uses simple descriptive statistics represented in arithmetic means and standard deviations.

The results

1- explore the current state of newsrooms	and the challenges they face in adopting new
technologies and multimedia platforms.	

The degree	frequency	%
High	74	16.4
medium	289	64.2
Low	87	19.4
Total	450	100

The table presents the results of a study on "The extent of employing multimedia applications in Arab newsrooms, based on the table, it can be observed that It is evident that the moderate degree of usage is the most common in Arab newsrooms, which means that most journalists use multimedia applications moderately in their work. Meanwhile, high usage indicates that some journalists heavily rely on these applications in their journalistic work, and this could be due to their unique features that enhance news coverage. On the other hand, low usage indicates that some Arab newsrooms have not widely adopted multimedia applications, which could be due to a lack of training or experience in using this technology, or due to material or technological challenges in improving the news infrastructure.

The use of multimedia applications in Arab newsrooms varies depending on several factors, including the size and resources of the news organization, the type of news being covered, and the audience being targeted.

Many Arab newsrooms have begun to incorporate multimedia elements such as photos, videos, and infographics into their online articles and social media posts. This is in response to the growing trend of audiences preferring visual content over traditional text-based articles.

Some larger news organizations in the Arab world have also invested in developing their own multimedia platforms and apps, which allow them to provide more interactive and engaging content to their audiences. These platforms often include live streaming capabilities, interactive maps, and other features that enhance the user experience.

However, there are still many Arab newsrooms that have not fully embraced multimedia applications due to factors such as limited resources, lack of training and expertise, or cultural and societal constraints. Nonetheless, the trend towards utilizing multimedia applications in Arab newsrooms is expected to continue as audiences increasingly demand more engaging and interactive forms of news content.

The Types	frequency	%
Content Management Systems	103	22.9
Social Media Platforms	114	25.3
Live Streaming Platforms	126	28
Data Visualization Tools	72	16
Virtual and Augmented Reality	07	1.6
Artificial Intelligence	28	6.2
Total	450	100

2. the different types of technologies and multimedia platforms that newsrooms are currently using and the benefits they provide



This table presents the different types of technologies and multimedia platforms that newsrooms are currently using and the percentage of their frequency of usage. The most commonly used platform is Live Streaming Platforms with a frequency of 126 (28%). This is followed by Social Media Platforms with a frequency of 114 (25.3%) and Content Management Systems with a frequency of 103 (22.9%). Data Visualization Tools are used with a frequency of 72 (16%) and Artificial Intelligence is used with a frequency of 28 (6.2%). The least used technology is Virtual and Augmented Reality with a frequency of only 7 (1.6%). These results indicate that newsrooms are heavily relying on live streaming platforms and social media platforms to disseminate news and information to their audiences. This is due to the increased importance of real-time coverage and the ability to engage with audiences through social media. The use of Content Management Systems is also significant, as it helps manage news content across multiple platforms. The low usage of Virtual and Augmented Reality may be due to the cost and technical challenges associated with using this technology, while the limited usage of Artificial Intelligence may be due to the need for specialized skills to effectively use it in news production.

The impact	frequency	%
Increased speed and efficiency	79	12.68
Improved storytelling	113	18.13
Increased engagement	241	38.70
Enhanced accuracy and fact-checking	53	8.51
Reduced trust and credibility	62	9.96
Increased polarization	75	12.02
Total	623	100

3- The impact of new technologies and multimedia platforms on the quality of journalism and the relationship between journalists and their audience

This table presents the impact of new technologies and multimedia platforms on the quality of journalism and the relationship between journalists and their audiences. The most frequently reported impact is Increased engagement with a frequency of 241 (38.70%). This is followed by Improved storytelling with a frequency of 113 (18.13%) and Increased speed and efficiency with a frequency of 79 (12.68%). The least frequently reported impact is Enhanced accuracy and fact-checking with a frequency of 53 (8.51%). It is also worth noting that there are negative impacts reported, such as Reduced trust and credibility with a frequency of 62 (9.96%) and Increased polarization with a frequency of 75 (12.02%). These results indicate that the use of new technologies and multimedia platforms has had a significant impact on the way journalists interact with their audiences. Increased engagement is a positive impact, as it allows for more opportunities for audience participation and feedback. Improved storytelling and increased speed and efficiency are also positive impacts that can enhance the quality of journalism. However, the negative impacts of reduced trust and credibility and increased polarization are concerning and highlight the need for journalists to prioritize accuracy and ethical reporting practices when using new technologies and multimedia platforms. Overall, the results suggest that while there are significant benefits to using new technologies and multimedia platforms, there are also potential risks and challenges that need to be addressed.

4- Emerging technologies, such as artificial intelligence (AI) and virtual reality (VR), have the potential to significantly transform the way newsrooms operate and deliver news to their audience.

Firstly, AI can help newsrooms automate certain tasks, such as fact-checking, data analysis, and content curation, which can save journalists a lot of time and allow them to focus

on more complex reporting tasks. AI algorithms can also help newsrooms personalize their content and tailor it to specific audience segments, thus improving user engagement and increasing revenue potential.

Secondly, VR can create new and immersive ways for audiences to experience news. For example, VR can be used to take viewers to the heart of a news story, such as a war zone or a disaster site, allowing them to experience the situation as if they were there. VR can also be used to create interactive news experiences, such as simulations or games, which can help engage younger audiences and make news more accessible.

However, there are also potential drawbacks to the use of emerging technologies in newsrooms. For example, AI algorithms can perpetuate biases if they are not designed and implemented correctly, and there are concerns about the impact of VR on the credibility and objectivity of news reporting. It is important that newsrooms approach these technologies with caution and use them in ways that enhance, rather than detract from, the quality of journalism and the relationship with their audience.

In conclusion, the potential of emerging technologies, such as AI and VR, to transform the way newsrooms operate and deliver news to their audience is significant. However, it is important that newsrooms approach these technologies thoughtfully and with careful consideration of their impact on journalism and the audience.

The role	frequency	%
Audience engagement	123	27.33
Distribution channels	101	22.44
Revenue streams	20	4.44
Challenges of misinformation	85	18.89
Ethics and responsibility	121	26.89
Total	450	100

5- the role of social media platforms in the future of newsrooms and the challenges and opportunities they present for journalism.

This table presents the results of a survey that explores the role of social media platforms in the future of newsrooms, as well as the challenges and opportunities they present for journalism. The table shows the frequency and percentage of responses to the question about the role of social media platforms.

The most commonly cited role for social media platforms in the future of newsrooms is audience engagement, with a percentage of 27.33%. This reflects the growing importance of social media as a tool for news organizations to connect with their audience and build a community around their content.

The second most cited role is distribution channels, with a percentage of 22.44%. This highlights the significance of social media platforms in expanding the reach of news organizations beyond their traditional audience and finding new ways to distribute and promote their content.

Revenue streams, with a percentage of 4.44%, were cited as the least significant role for social media platforms in the future of newsrooms. This reflects the ongoing challenge of monetizing digital news content and the limited revenue opportunities currently available on social media platforms.



Challenges of misinformation, with a percentage of 18.89%, were cited as a significant challenge posed by social media platforms for journalism. This highlights the growing problem of fake news and misinformation on social media and the need for news organizations to address this issue in their reporting.

Finally, ethics and responsibility, with a percentage of 26.89%, were cited as another important consideration for the future of newsrooms on social media platforms. This reflects the need for news organizations to maintain high ethical standards and ensure their reporting is accurate and impartial, even in the fast-paced and often contentious environment of social media.

Overall, the results suggest that social media platforms are playing an increasingly important role in the future of newsrooms, with significant opportunities for audience engagement and distribution, but also significant challenges, such as misinformation and the need for ethical and responsible reporting.

Discuss the results

Explore the current state of newsrooms and the challenges they face in adopting new technologies and multimedia platforms.

The current state of newsrooms is in a state of rapid change as new technologies and multimedia platforms continue to emerge. Traditional newsrooms that have relied on print publications or broadcast journalism are now being forced to adapt to the digital age, with online news sources becoming increasingly popular among readers.

One of the biggest challenges facing newsrooms is the need to adopt new technologies in order to stay relevant and competitive in the ever-evolving media landscape. This includes everything from new content management systems and social media platforms to advanced data analytics and artificial intelligence (AI) tools.

However, adopting new technologies can be difficult for many newsrooms, particularly those that have been slow to embrace digital media. Some of the challenges they face include:

Limited resources: Many newsrooms are struggling financially and may not have the resources to invest in new technologies or hire the staff needed to implement them effectively.

Resistance to change: Traditional newsrooms may be resistant to change and may struggle to adapt to new technologies, workflows, and multimedia platforms.

Staff training: Even if a newsroom is willing to adopt new technologies, staff may need extensive training to learn how to use them effectively.

Content creation: With the rise of multimedia platforms, newsrooms need to create a wide range of content, including videos, podcasts, and interactive graphics, in addition to traditional text-based articles.

Distribution: Newsrooms need to be able to distribute their content effectively across a wide range of platforms, including social media, mobile apps, and newsletters.

Despite these challenges, many newsrooms are embracing new technologies and finding ways to thrive in the digital age. Those that are successful are often those that are willing to experiment, collaborate, and take risks in order to stay ahead of the curve

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Identify the different types of technologies and multimedia platforms that newsrooms are currently using and the benefits they provide.

Newsrooms are currently using a wide range of technologies and multimedia platforms to gather, produce, and distribute news content. Here are some of the most commonly used technologies and their benefits:

- 1. Content Management Systems (CMS): CMSs are used by newsrooms to create, organize, and publish content to their websites. They provide an easy-to-use platform for editors and journalists to create and manage content, as well as help streamline the editorial workflow.
- 2. Social media platforms: Social media platforms like Facebook, Twitter, and Instagram are essential for newsrooms to distribute their content to a wider audience. These platforms provide a quick and easy way to share news stories, engage with readers, and promote the newsroom's brand.
- 3. Video production tools: Video has become a crucial part of modern news coverage. Newsrooms use video production tools like Adobe Premiere, Final Cut Pro, and iMovie to create engaging video content. These tools allow editors and journalists to edit and produce high-quality video quickly and efficiently.
- 4. Mobile journalism tools: With the rise of mobile journalism, newsrooms are using mobile devices to shoot, edit, and publish stories in real-time. Apps like Filmic Pro and LumaFusion allow journalists to shoot high-quality video and edit it on their mobile devices.
- 5. Data visualization tools: Data visualization tools like Tableau and Infogram are used by newsrooms to create engaging and informative graphics and charts. These tools help readers better understand complex data and statistics.
- 6. Live streaming platforms: Newsrooms use live streaming platforms like Facebook Live, YouTube Live, and Periscope to broadcast breaking news and events in real-time. These platforms provide a way for newsrooms to reach audiences who may not have access to traditional broadcast channels.

Overall, these technologies and multimedia platforms help newsrooms create and distribute news content more efficiently, reach a wider audience, and engage with readers in new and exciting ways.

Investigate the impact of new technologies and multimedia platforms on the quality of journalism and the relationship between journalists and their audience.

The impact of new technologies and multimedia platforms on journalism has been both positive and negative. While these technologies have allowed journalists to reach wider audiences and produce content more efficiently, they have also brought about new challenges and ethical considerations.

One of the most significant impacts of new technologies and multimedia platforms is the changing relationship between journalists and their audience. Social media platforms, for example, have allowed for more direct and immediate interactions between journalists and their audience. This has led to a more personalized relationship, with journalists responding to comments and engaging with their audience in real-time.

However, this has also led to an increase in misinformation and the spread of fake news. Social media platforms have made it easier for false information to spread rapidly, and journalists are now tasked with debunking rumors and ensuring that their reporting is accurate and truthful.



The use of multimedia platforms has also had a significant impact on the quality of journalism. With the rise of citizen journalism and user-generated content, newsrooms are now competing with a much larger pool of sources, some of which may not adhere to traditional journalistic standards.

Additionally, the fast-paced nature of online journalism has led to a focus on speed and sensationalism, which can sometimes come at the expense of accuracy and in-depth reporting. This has resulted in a shift away from long-form journalism and investigative reporting, as newsrooms focus on producing click-worthy headlines and quick, digestible content.

Overall, while new technologies and multimedia platforms have allowed for greater accessibility and engagement, they have also brought about new challenges and ethical considerations. It is important for journalists to remain vigilant in upholding traditional journalistic standards and to use these technologies responsibly to produce accurate, informative, and trustworthy news content.

Assess the potential of emerging technologies, such as artificial intelligence and virtual reality, for transforming the way newsrooms operate and deliver news to their audience.

Emerging technologies such as artificial intelligence (AI) and virtual reality (VR) have the potential to transform the way newsrooms operate and deliver news to their audience. Here are some potential benefits and challenges of these technologies:

Artificial Intelligence (AI): AI technology can be used by newsrooms to automate tasks such as transcribing interviews, detecting fake news, and analyzing data. This can help journalists save time and increase efficiency. AI can also be used to personalize news content based on individual preferences and interests, making it more engaging for readers.

However, there are concerns that the use of AI in journalism could lead to a decrease in the human element of news reporting. Additionally, there are concerns about the ethical implications of using AI to automate decision-making in journalism.

Virtual Reality (VR): VR technology has the potential to create immersive news experiences for audiences. Newsrooms can use VR to transport viewers to the scene of a story, providing a more engaging and visceral experience. This technology can be particularly useful for stories that are difficult to cover with traditional reporting methods, such as war zones or natural disasters.

However, VR technology is still in its infancy and is expensive to produce. Additionally, there are concerns around the potential for VR to create an echo chamber, where users are only exposed to news content that aligns with their existing beliefs and values.

In conclusion, while AI and VR have the potential to transform the way newsrooms operate and deliver news to their audience, they also bring about new challenges and ethical considerations. As with any emerging technology, it is important for newsrooms to approach the adoption of these technologies with caution and to consider the potential implications for both the quality of journalism and the relationship between journalists and their audience.

Examine the role of social media platforms in the future of newsrooms and the challenges and opportunities they present for journalism.

Social media platforms have already had a significant impact on the news industry, and their role in the future of newsrooms is likely to continue to grow. Social media presents both



opportunities and challenges for journalism, and it is important for newsrooms to understand both in order to make the most of these platforms.

Opportunities:

Reach: Social media platforms have the potential to reach large and diverse audiences, allowing newsrooms to expand their reach and connect with new audiences.

Engagement: Social media platforms can help newsrooms engage with their audiences in new and innovative ways, such as through live streams, interactive content, and user-generated content.

Storytelling: Social media platforms offer new and creative ways to tell stories, such as through multimedia content, visual storytelling, and user-generated content.

Revenue: Social media platforms offer opportunities for newsrooms to generate revenue through advertising and sponsored content.

Challenges:

Trust: Social media platforms are often criticized for their role in spreading misinformation and fake news, and this can erode trust in news media as a whole.

Control: Newsrooms have limited control over the distribution and presentation of their content on social media platforms, and changes to algorithms or policies can have a significant impact on the reach and engagement of their content.

Ethics: Social media platforms present ethical challenges for journalism, such as privacy concerns and the potential for bias in algorithmic decision-making.

Sustainability: Relying on social media platforms for distribution can be risky, as changes to algorithms or policies can significantly impact the visibility and revenue potential of news content.

In conclusion, social media platforms have the potential to play a significant role in the future of newsrooms. However, newsrooms must approach social media thoughtfully and with careful consideration of the opportunities and challenges presented by these platforms. By doing so, newsrooms can harness the power of social media to reach new audiences, engage with their existing audience, and tell impactful stories, while also upholding the principles of quality journalism.

Recommendations

To adapt and thrive in the rapidly evolving landscape of new technologies and multimedia platforms, newsrooms should consider the following strategies and recommendations:

- 1. Embrace new technologies: Newsrooms should invest in new technologies that can help them produce and distribute high-quality journalism more efficiently. This includes tools like AI, VR, and mobile-first content delivery systems.
- 2. Foster innovation: Newsrooms should encourage innovation and experimentation, allowing journalists to explore new ways of telling stories and engaging with their audience. This includes developing new formats for long-form content, experimenting with multimedia storytelling, and investing in new storytelling tools.

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- 3. Focus on quality: While speed is important in the fast-paced world of online journalism, quality should never be compromised. Newsrooms should maintain strict ethical guidelines and invest in training to ensure their journalists have the skills and knowledge needed to produce high-quality content.
- 4. Engage with the audience: Social media platforms and other digital tools have made it easier than ever for newsrooms to engage with their audience. Newsrooms should embrace this opportunity and actively seek feedback from their audience, responding to comments and encouraging open dialogue.
- 5. Diversify revenue streams: Newsrooms should explore new revenue streams beyond traditional advertising and subscriptions. This includes sponsored content, events, and membership models.
- 6. Collaborate with other newsrooms: Newsrooms should consider collaboration with other newsrooms, particularly in areas such as investigative reporting and data journalism. This can help to improve the quality of journalism and provide new opportunities for sharing content and reaching new audiences.
- 7. Emphasize transparency: Newsrooms should prioritize transparency, both in terms of their reporting and their business practices. This includes being transparent about their funding sources, their editorial policies, and their use of data.
- 8. By embracing these strategies and recommendations, newsrooms can adapt and thrive in the rapidly evolving landscape of new technologies and multimedia platforms, while continuing to provide high-quality journalism and building strong relationships with their audience.

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