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Digital Piracy as Cultural Distribution: Ethics, Access, and Creative Economies

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ABSTRACT

Digital piracy has emerged as a central feature of contemporary cultural distribution, reshaping how cultural products are accessed, circulated, preserved, and monetized in the digital age. This study examines digital piracy as a cultural, ethical, and economic phenomenon by analyzing its relationship with access, equity, intellectual property, and creative economies. The paper explores the historical evolution of digital distribution from early file-sharing systems to contemporary streaming and peer-to-peer networks, highlighting how technological change has challenged traditional copyright frameworks and transformed cultural consumption. Particular attention is given to the ethical debates surrounding piracy, including arguments for equitable access to culture, educational inclusion, preservation of endangered cultural works, and the protection of creators' intellectual property rights. The study further investigates the role of piracy in addressing affordability barriers and digital divides, especially in developing regions where legal access to cultural products remains limited. Through discussions of music, film, software, scholarly publishing, and gaming, the paper demonstrates how piracy simultaneously threatens established industries and stimulates alternative creative economies, participatory cultures, and innovative monetization strategies. The analysis also considers platform governance, policy frameworks, and legal reforms, emphasizing the tension between restrictive enforcement approaches and the growing demand for open access and information commons. Ultimately, the study argues that digital piracy cannot be understood solely as criminal infringement but must also be examined as a complex mode of cultural distribution shaped by inequalities in access, technological affordances, and evolving participatory media cultures. The paper concludes that sustainable responses require balanced policies that protect creators while expanding equitable access to knowledge, education, and cultural participation.

Keywords: Digital piracy, Cultural distribution, Intellectual property, Creative economies and Access and equity.

INTRODUCTION

The widespread infringement of copyright through online networks has become a defining issue of contemporary cultural life [1]. The rapid growth of digital distribution systems, especially the Internet has increased the availability of artistic and scholarly content, rendering established copyright frameworks impoverished and ultimately inadequate [2]. As the harvest of cultural memory increases following the millennium gap and the establishment of quasi-collective online archives, the acquisition and archive of digitized content retakes front stage [1]. Certainly, there exists a widespread perception that unrestricted access to all kinds of material be it music, film, software, or even scholarly articles is highly desirable and that sharing such material across networks closely resembles sharing of material goods [1]. Ironically, larger amounts of copyright-protected material are created than ever before, covering an ever-expanding set of formats including images, text, audio, video, gaming and code. A paradox arises: as newly created distributors and archive-keepers enter the field, the act of shared network distribution remains rarely scrutinized. On the contrary, digitization is celebrated as an agent of cultural

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preservation [2]. Two conflicting philosophies prevail in the public discourse on copyright piracy. On the one hand, widespread distribution of copyright-protected artistic and scholarly work through peers, covertly and outside of official or accepted channels, is presented as a largely hostile behavior toward and premeditated industrial intent to counteract copyrighting entire industries [2]. Sharing of copyrighted work is viewed perpetrated by scoundrels, leftist extremists and smaller fringe groups whose cultural freeness or radical alternatives is rejected or ignored [3]. On the other hand, extending from Walter Benjamin's "art in the age of mechanical reproduction," copyright working as an official/legitimate protection tool is scrutinized yet advocating alternative views on sharing or copying remains carefully couched at the risk of being placed in the first camp [3]. The cultural-import/export diverse information economy, ranging from technologies, literatures, ideas through memes, spreading desire or admiration for afar, within a country or across the globe is simultaneously celebrated. Such tension affects distribution over a wider range of materials and emergent distribution platforms too [1].

Conceptual Foundations of Digital Piracy

Digital piracy can be understood as a form of cultural distribution that raises complex ethical questions about access and creative economies [1]. Complimentary access is the most prominent justification for piracy, allowing audiences to circumvent barriers associated with high prices and limited availability. Proliferations of copyright-protected works and growing interest in access equity have prompted discussion about the potential role of piracy in addressing gaps in cultural access and participation [2]. Proponents highlight the relevance of human rights frameworks, public-good theories, and social-justice frameworks for understanding piracy as a mechanism for distributing cultural materials and addressing broader social inequities [3]. Concerns about unequal access arise against a backdrop of widespread uncertainty regarding the impact of piracy on the creative economy. Even as accessibility issues magnify interest in topical piracy debates, the regulatory responses invoked remain couched in traditional supply-side logic [4]. Access-related momentum nevertheless opens space for reflection on how the informal and alternative channels deemed "pirate" may function as partial pathways toward broader availability and participatory engagement [3]. In music, film, video games, and other domains, robust infrastructures persist for the informal redistribution of copyrighted materials damaged by marketplace deformation, even within regions classified as developed economies [2]. Where scarcity remains entrenched, cultural materials are disseminated through alternative often highly visible, networks incapable of attracting formal investment [2].

Definitions and Scope

Cultural piracy occurs when works are reproduced or distributed without access restrictions, infringing copyright law [1]. The term does not denote harmfulness or illegitimacy "pirates" distribute copyrighted works to ensure their access, covering different purposes such as public interest, preservation for future art, and countering commodification of culture opting on a distribution mode seen with 'demo', 'abandonware', 'free/libre/open source software' and 'free culture'. Textual digital works occupy an intermediary between analog and digital under this conceptual framework [2]. Their principal copyright, 'reproduction-right', has been infringed. Copying is widespread because analog copies cannot be made. Cultural piracy covering a broader domain of more than copyright infringement and access prohibition occurs [3]. Expropriation to achieve social justice is justified under a model that treats culture and economic means equally. Third World-culture is often described as 'world-culture' [4]. The binary of First World and Third World is replaced, and another dualism in terms of means preserves. Conditions for culture to actualise a social justice oriented counter-expropriation,-destruction of not only cultural expropriation- and economic-a means cultural appropriation occur [5]. Embedded in cultural piracy, textual digital works still subtend these coordinates while having the mark of textuality seen in book also retaining hypertrophy reputed to model copied on empirical base [1].

Historical Evolution of Digital Distribution

Digital distribution has evolved considerably over the past 30 years, from the early days of online bulletin board systems through the advent of file-sharing technologies to today's streaming services [2]. The journey has involved multiple phases: from the debut of music distribution systems (e.g., MP3.com, listen.com) to software formats turning ubiquitous and ultimately the switch to Apps; from the closure of mp3.com to the launch of Napster; and from the initial promising evolution of image distribution in the early 1990s to a stalling situation with the emergence of PDF and. Moreover, complimentary goods or services have begun to circulate widely through the Web, e.g., shareware, web pages, journals, music assistants, etc., [3] and consumer electronics available on the Internet Early commercial information services and a few government entities provided texts, images, and sounds via dial-up access. Despite half-hearted efforts by commercial providers, well over 90% of initial Web content consisted of simple, text-oriented pages. General access to external texts, images, and sound was extremely limited [4].

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Ethics of Digital Piracy

Digital piracy raises a range of ethical issues tied to the sharing and reproduction of cultural materials. One body of arguments foregrounds the moral rationale for access [2]. Supporters contend that prohibitive pricing, availability constraints, and other impediments prevent equitable access to a wide range of essential cultural artifacts—everything from textbooks and software manuals to foundational scholarly articles, music, films, and videogames. Those facing such barriers often turn to unauthorized avenues of obtaining these materials, creating what they perceive to be a moral obligation to act [3]. A parallel set of arguments highlights the social desirability of protecting the intellectual-property rights of authors, composers, programmers, and publishers who devote time and creative energy to producing cultural works. In this perspective, equitable access to creative works does not excuse copyright transgressions that inhibit the capacity of content providers to sustain themselves and families or to reinvest the proceeds in pursuit of new expressions [4]. Concerns over these two perspectives have prompted the articulation of a third line of reasoning focused on harm, fairness, and social justice considerations [4]. Although copyright infringement often fails to deprive the copyright holder of the original item, certain venues still retain a sense of ownership over documents crucial to their ability to conduct research and teach effectively. Access to such materials is sometimes obtained via informal sharing among limited circles [5]. Additional fairness considerations surround the degree to which enforcement operates consistently across different contexts and the nature of expected obligations increases when seeking to disseminate works to broad audiences in excess of private study. Certain forms of piracy include not only the potential for unlawful reproduction but also the textual content [6].

Moral Arguments for Access

The ethical justification for access to cultural content begins with moral arguments for providing access. Advocates for this position assert that containing cultural materials is ethically wrong [1]. From their perspective, certain texts, artworks, and films are part of a common cultural heritage that should be accessible while fears of enforcement and litigation weigh heavily on many creators [1]. Proponents of this view seek an expansion of equitable access to culture and the elimination of censorship. They champion and value the public domain, fair use provisions of copyright law that promote access and transmission, and broadened notions of fair use across cultural artifacts [2]. Since copyrighted works fall into the public domain upon expiration of the copyright term, advocates point to this as a powerful rationale for sharing such content during the copyright period [3]. Obscure, neglected, or unrecognized works deserve attention, including pieces prevented from reaching or finding an audience or those that were successful yet transformed into archives of an era that new generations may wish to intercept beyond mere exceptions. The dominant reading of such a notion prioritizes a feminist or “woman”-rooted perspective in selecting and interpreting materials [4].

Intellectual Property Rights and Creator Incentives

Prior to the digital era, economic incentives for creators were indirect, arising from distribution and marketing [1]. Content distribution through physical media has been difficult to replicate digitally [5]. A central concern arises regarding digital piracy’s effect on creator incentives [6]. The issue has received significant scholarly and policy attention after the advent of freely disposable digitized multipurpose files, whose decreased cost of access has led to far-reaching questions concerning intellectual property rights, protection strategies for digital content, and economic fairness for the creator element. Free access to digitized cultural content is not limited to bribery by uploaders, suitcase-peddlers, unconditional capitalists, or malice [6]. It is rooted primarily in an economic exchange. Free access reduces marketing costs, facilitating faceless, electronic barter of obscure non-commercial, old, and unprotectable content. Not all uses of free access adversely affect willingness to pay. The provision of content over the Internet using Cournot-like duopoly market competition [7] and peer-to-peer systems threatening copyright-based file sales could be detrimental to creator incentives. Nonetheless, there are also disintermediated business models where free and fully legal offerings can coexist with revenue-collecting schemes [7].

Harm, Fairness, and Social Justice Considerations

Digital piracy is a complex phenomenon that elicits polarized responses from the public. Copyright owners, stakeholders, and policymakers allege significant losses due to infringing activities online, while advocates of fair use and information sharing argue that intrusions on civil society, education, and artistic practice are far greater [8]. Furthermore, many individuals perceive little or no damage resulting from violations of copyright law. Some segments of the artistic community benefit from broader dissemination of their works, leading to enhanced exposure, created demand, and new economic opportunities [2]. Examining the issues of harm, fairness, equity, and social justice through an ethical lens, alongside increasing access across numerous dimensions, exposes a fundamentally distinct view of downloading, streaming, and the acts of copying and sharing that accompany such activity [5]. Justice directs attention to fair distribution and avoidance of harm. The bang for the buck or the hardship incurred in a given use merits consideration. Among the creators of pirated works, many at the top of their fields suffer few if any negative consequences. Instead, digital distribution often enlarges the potential audience, bringing enhanced

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opportunities alongside the risk [1]. Fairness applies to members of different societies and communities, where information is traded and valued across cultural boundaries mediated by language. Significant work has gone into translation software to facilitate cross-cultural sharing and appreciation, extending beyond any strict border. The era initiated by the Internet has created a worldwide market [1]. In the past, physical goods could not easily traverse borders, and waiting and enforcement made transactions less common. Faced with video rental and low prices, a fraction of the U.S. population indulged in paying for movies from abroad where they could find alternative, more appealing content without the time and effort involved [2]. Cultural, entertainment, and other products now move through metropolises worldwide, but transportation costs remain low. Data readily travels instantaneously across oceans. Culture is now inextricably joined across borders [3].

Access, Equity, and Digital Divides

Access to culture, the ability to engage with and to produce culture is one of the most powerful arguments in favor of piracy [2]. Piracy can open previously inaccessible cultural spaces and expose people to new influences, promoting social equity on multiple fronts. Access to culture is often limited by poverty, an issue not unique to the digital environment. Nonetheless, the cost of legitimately purchasing cultural items and the costs associated with becoming an artist or writer can remain prohibitively high [9]. Moreover, many cultural artifacts lack a legitimate path to access, and the surrounding culture threatens the preservation of endangered cultural artifacts. Public policies that serve to restrict access to culture such as belief in preservation of elite or corporate interests—threaten to exacerbate the digital divide, rather than address it, and some cultural items can be treated as public goods or as information commons [8].

Economic Barriers and Affordability

Economic barriers constitute a fundamental aspect of inequitable access to culture and information, particularly within developing and underrepresented communities [1]. The affordability of creative works varies widely across geographic locations, income brackets, and demographic groups. Licensing these works legally is often financially unfeasible, leading to cultural and educational materials being unobtainable legally, frequently inducing piracy that serves as the only possible route to access. The fact that countries with the lowest per capita incomes experience the highest rates of media piracy is not coincidental [2]. Piracy also flourishes in regions where material is commonly inaccessible due to governmental censorship, with free alternatives sustaining national cultural industries otherwise imperiled [10].

Cultural Access and Preservation

Much of the world's copyrighted material is owned by developed-world multinationals, leaving developing nations as consumers of knowledge and culture [3]. The internet allows users to become active participants in creating and publishing works, with instant access to a global audience. However, traditional publishers are setting up barriers that threaten the digital realm's potential to democratize access [4]. Copyright protection is pursued aggressively by publishers and record labels, often without being the original authors of the works. Digital technologies pose both threats and opportunities for authors, such as challenges in controlling illegal reproduction and new tools like digital rights management [5]. Battles around copyright extend beyond entertainment to include software, academic journals, research outputs, and educational content. These struggles often receive less media attention than piracy issues related to movies or music sharing [6]. Cultural access and preservation face legal challenges, especially regarding copyright and intellectual property laws. Piracy historically has helped preserve important works of literature and art, acting as a form of preservation rather than misconduct. Humanistic knowledge, particularly semiotics, can contribute coherence to case law riddled with loopholes and contradictions [7]. A report from the American Council of Learned Societies highlights that copyright is among the most complex challenges in developing effective cyberinfrastructure for the humanities and social sciences. The report emphasizes the importance of supporting the public domain and fair use provisions to safeguard cultural preservation and access, warning that excessive permission-seeking fosters a culture of acquiescence that hampers efforts to transmit the cultural record [8].

Public Goods and Information Commons

Restricted access, both economically and culturally has emerged as a global issue concerning digital cultural distribution. It poses a dilemma, especially when public investment in culture, education, and science is paired with intellectual property regulations that limit access [8]. As a result, alternative means for legal sharing and acquisition are urgently needed. When examining access with an interconnected, exploratory lens, unethical aspects of existing distribution appear. Access depends not only on robust technical connections but also on affordability [9]. The cultural-software paradox remains a key point. During the formative years of societal intensification of software technological mediation, limited access to cultural materials, as with works of art, literature, or music, could be cited as motivation to acquire software illegally at a pace and quantity that met user requirements. Nevertheless, the contrary case can often be made that culture has shifted toward enhanced affluence, while access to culture still

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remains a concern [10]. Digital capitalism provides a multitude of devices and on-demand materials; yet, some limitations hinder totality of access [2]. The attention for access to culture and work remediates itself for software, by reinstincting access to upgraded works of cybernetic culture. Such limitations influence the accessibility of augmented cultural works. The digital-age contention between free access to knowledge and applied intellectual property regimes gains traction [11]. Pioneers envision a dynamic planetary knowledge commons; however, further, more robust, and embedded programs of contemporary and past knowledge remain the more prevailing existing need and gap to be closed. Without mutual regard, large portions of knowledge are simply deselected, the less-attended digitally continue to recede toward no entity collecting and archiving contemporary work publicly, unmediated, freely, and disallowed from future restriction [12].

Creative Economies in the Age of Piracy

Despite the general legal rhetoric and condemnation of piracy, creators of music, film, games, or software nonetheless make extensive use of torrent-sharing networks [8]. Up-and-coming artists regularly upload their work to copyright-protected platforms and encourage sharing on social media. Filmmakers publish openly licensed screenplays while participating in screening tours [9]. Software authors post beta versions with relaxed terms for bug-testing on GitHub, where they also issue invitation-only team licenses for proprietary code. Scholars self-archive preprints of future-science articles on legacy publisher sites [10]. Video game companies provide access to unfinished projects, in-game assets, mods, and source code, and promote the work of amateur developers “inspired” by their titles. Creative communities turn among others to remixing, mash-ups, supplementary writing, translations, and adaptations, even when against the law [8]. Some observe this need or relief from over-legislated accessibility in a new sharing culture. Others interpret it as an inevitable shift to exposure or the stimulation of a novel spectrum of business opportunity. Others still regard such openness as mitigation of scarcity, resulting in extension of exemption, or a separate channel for the reallocation of surplus [9]. While recording or streaming for example cannot surpass free dissemination in terms of digital artifacts, revenue can be gleaned via subscribers’ discounts, member lite services or even undue involvement throughout [6].

Impact on Creators and Industries

Digital piracy continues to be a controversial area for many creative economies. Creators of digital media worry about the financial impact of piracy, suggesting that a price drop will occur regardless of an individual’s willingness to pay [7]. Note that data on economic harm caused by piracy is often incomplete or overly reliant on anecdotal evidence. Without good data, it is unclear whether piracy harms creative sectors [8]. Access to cultural products can be difficult for various reasons. Digital piracy acts as a democratizing force that lowers costs of access in the digital marketplace. A second, more advanced economic response recognizes that the industry is changing and considers the proportion of revenue lost to piracy compared to changing consumer preferences [11, 5, 12].

Alternative Revenue Models and Monetization Strategies

In a post-disruption environment enabled by a networked economy, previous forms of economic activity remain relevant, generating a climate in which content is shared freely [10]. In the digital age, artists increasingly circumvent traditional industry controls to reassure themselves and producers that production can occur without crippling cost [13]. Their practice demonstrates a systemic re-orientation underpinned by pre-digital concepts of fair exchange, cultural access, and related contributions to human living [13]. Access is not a limited good, art an exclusive commodity, thereby implying scarcity and proprietorship. Monetization takes place via grant schemes, sales to production houses, public performance, blog access with supplemental sponsorship, merchandising, voluntary donation systems, and voluntary and subscription payment schemes [14]. The federal government also finances access to information goods through education, libraries, and broadcast service, resources classified as citizens’ rights.

Platform Governance, Licensing, and Policy

Digital pirates directly challenge existing ownership, making both access and expectation a choice rather than a right [9]. A fervent anti-piracy lobby claims that this piracy represents a special kind of theft; however, many artists regard it as a new form of distribution, in which they should be allowed to participate under updated terms. In the music industry today, many hold that creativity and distribution are separate; other industries have learned to do so even more [9]. Release time serves as a major driver of culture, with events such as the Comic-Con convention generating substantial value. When content is announced but not released for months, the media landscape can shift in a way that renders such delays economically unviable [10]. Non-commercial sharing, which is not pursued by a business model or to restrict competition, is widely known to have extensive, mostly positive, non-monetary effects. For creators adopting a “freemium” model, it is vital to manage information asymmetry between free and paid versions; platform governance is often a primary mechanism for doing so [8].

Case Studies across Media Domains

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Piracy in music and film remains prevalent in sub-Saharan Africa, where national videos and concert recordings circulate in informal markets [4]. Despite high demand for foreign content, access remains limited in rural areas. Consequently, copyright owners and practitioners argue for stricter use of intellectual property, while users employ piracy as a means of personal security to continuously meet the need for exposure [15]. Software, scholarly publishing, and open access exemplify piracy grounded in public good logic. Developers regard counterfeit software as a legitimate response to excessive prices, while African bookstores offer heavily discounted academic work [16]. Young South African researchers cite the unavailability and cost of books when questioning any commercial engagements [17]. Gaming, fan labour, and community distribution extend piracy concerns to content production and user-generated creativity. The growing gaps between gaming constituencies spur piracy as an alternative distribution mode [17].

Music and Film in Shifting Digital Markets

The emergence of the digital economy has revolutionized how music, still the most favored cultural product, is sourced. Music files such as MP3s are commonly traded across the Internet using peer-to-peer (P2P) file-sharing applications [5]. The rapid adoption of P2P is transforming market structures and business models within the music industry [3] and is affecting the cost and accessibility to cultural capital of files [8]. As far as news and information are concerned, the emergence of various forms of distribution and cheaper devices has increased the value of access and content [9]. An electronic journal, board papers and government legislation occupies a significant part of distribution and usage of public multimedia. It may seem that the copyright infringement concerned issues that affect badly the whole economy. It may not be until everyone adds cultural artefacts will the gaps be filled up [10].

Software, Scholarly Publishing, and Open Access

Digital piracy has invigorated the product sphere of proprietary software. Following the outbreak of the COVID-19 virus and imposition of lockdown measures, rampant piracy replaced both free trials and overpriced software, especially among students needing adequate tools for remote learning [2]. The country's publishing industry also faces critical challenges [3]. Even when free, some academic papers elude easy access. The prominent shadow library Sci-Hub, which has circulated around 84 million articles, highlights the inadequacy of current dissemination models [16]. Open access can significantly address these issues, yet it maintains the framing of texts as property and falls short of liberating the scholarly publication system from the ideational and institutional dominance of publishers and other gatekeepers [17].

Gaming, Fan Labor, and Community Distribution

The practices of playing, modifying, and distributing video games extend far beyond a private or domestic sphere. Gameplay represents the act of creating or performing games in a public social space [5]. Modding is the collective term used for modifying, altering, or expanding a video game with content created by end-user fans. Such modded content circulates within fandoms and online communities, and some of it, highly professionalized, is sold without the original developer's permission [6]. Game-creation fan labor also includes tools enabling the construction of games from scratch, where the games created, resultantly, are distributed alongside the creation tools and circularly inspire further creation [7]. Game-related fan labor represents one of the most significant and extensive participatory cultures across any domain of creative activity [8]. Its existence and character remain obscure due to the enduring concentration on the video-game development economy to the exclusion of game-play and the longevity of a zero-sum conception of contributions [9]. Video games themselves continue to occupy a special role among modern creative cultures. Compared with many media such as film or music, where history and activity have encouraged an extensive, multi-dimensional creative economy beyond the producer-consumer binary, game-play remains under-acknowledged in its independent economic contributions [10]. Game-play constitutes a culturally specific, technically enabled, and novel communal device for arranging what would otherwise be inoperable or unworkable videogames regularly occurring outside the normative game-development cycle [11]. Player-designed or user-created content-schooling, such as both games and mods designed to teach about the underlying game-play of other games—constitutes what might be described as meta-game documentation or critical commentary, often with extensive design toolsets distributed in conjunction [12]. Desktop or miniature commercial-game creation tools, complete metagames in their own right, freely included with some boxed-publication or downloadable-keyboard versions enable further original productions from the culture of a game for which the tools were acquired [12]. Online systems for commentary, creation, or classification, including websites, but also appearances within various software programs, provide unprecedented facilitating platforms for simplifying or explicating both meta-game commentary parcels along with the accompanying-game constructs [13]. Fan labor created with mod-cons or creation tools of a commercially published title abundantly illustrates its free circulation among the fan community, alongside those very tools. Game play thereby highlights unobserved yet copious circularity driving the creation, promulgation, and utilization of playable culture [14].

Methodological Considerations for Studying Digital Piracy

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Digital piracy constitutes an important area of inquiry and policy consideration. The topic is fraught with complexity because of the conflicting views and interests surrounding it. Any well-rounded study of digital piracy must come to grips with its epistemological uncertainties [15]. Collecting reliable data is one crucial aspect of such a study; ensuring that research adheres to ethical norms is another. It is also important to adopt appropriate analytical frameworks that reflect the status of piracy in the broader cultural ecology and implicated media landscapes [16]. The volume and nature of digital piracy remain hotly contested, but studies of its many expressions in music, film, software, video games, literature, scholarship, and technology point to significant patterns that converge on the insight that much pirate activity is access-related and at once governed by media affordances [2]. These empirical investigations reveal not only how and where particular cultural forms are pirated, but also the measures developed to stem losses. Access barriers, equity concerns, and the almost universal aspiration to a general-access Internet inform the demand for wider understanding of the topic [3]. On a methodological level, two studies of student behaviour capture an additional aspect of the phenomenon: validation of attachment to the norms of legality, commerciality, and non-piracy for digitally pirated cultural forms is considerably weaker than for other kinds of illegal activity or for non-digital forms of piracy [5].

Data Sources and Measurement

Digital piracy research relies on diverse data sources and methodological approaches. Students are often regarded as the world's foremost digital pirates. This pluralistic perspective widens the domain of analysis beyond the heuristic of "an illegal copy is a lost sale [13]." An exploratory study based on confidential interviews with Florida state university students illuminates the footholds of piracy on America's college campuses, and the role of the campus on cultural consumption choices of the students when the campus location is far from their home town [5]. Typical of the growing domestic data set, the study is set against a narrow but strategically pertinent background: the effects on intellectual property of even modestly reduced access to university library resources on American collegiate campuses [13]. Digital piracy research employs a rich variety of data sources [14]. The behavioral-institutional array encompasses analytical accounts, applied economic estimates, behavioral models, institutional analyses, modeling approaches, normative analysis, qualitative interview studies, surveys, and qualitative case studies. Data sets cover income and price; internet usage; and turnover data for a variety of creative industries [15]. Social-material research includes archive data as well as household, national, and regional surveys. The creative economies corpus includes copyright, distribution costs, indicators of distribution, open access, and legal download data [16].

Ethical Research Practices

The methodology of this study incorporates knowledge of ethical research practices as well as guidance from the principles of the Florida State University (FSU) Office of Research [13]. The aim is to protect the researcher from unintentionally infringing upon existing copyright, search for avenues to utilize copyrighted works, and formulate research questions that engage with the ethical issues encapsulated in digital piracy [14]. Analyzing copyright infringement, deterrents to piracy, and how avenues for expansion can provide answers to these questions from an ethical perspective might benefit the research agenda. Alternatively, assessing the legal and ethical aspects of software development itself and how methodologies associated with proprietary ownership can be invoked to foster illegal dissemination might also resonate with the ongoing study of piracy and expand upon existing analyses [14]. Additional sources that probe the philosophical foundations of computer ethics and the underlying principles of responsible computing might be illuminating in the inquiry. Researchers should grapple with the intricacies surrounding digital rights management, intellectual property, and limitations on legal copyright [15]. Discourse would entail not only the examination of ready availability, supply and demand, and generational divides but also exploration of cultural, social, geographical, economic, and technological determinants affecting the production, distribution, and consumption of such material within the broader context of the pirate hypothesis [2].

Policy Analysis Frameworks

Policy analysis frameworks involve examining intellectual property rights and human rights, as well as the political and economic context of copyright laws [15]. Key concepts include piracy, copyright law, and cultural production. Discussions consider the impact of neoliberalism on cultural markets, the role of media in shaping perceptions of piracy, and legal proposals for small-scale piracy [16]. Theories on discourse analysis and networked governance are relevant for understanding policy debates on media piracy and intellectual property [15]. A future more in tune with participatory culture should support artists and promote creativity while avoiding a dystopian scenario where private digital surveillance monitors all online behaviour, potentially infringing on privacy and civil liberties [17]. Instead of prioritising corporate interests and restricting access to cultural content, policies should encourage alternative ways to foster creativity and access to cultural products [8].

Policy Implications and Governance Options

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In the digital context, copyright law is the sole protector of cultural expressions and, alongside patent law, establishes a diaphanous distinction between public and privately owned materials [10]. It determines whether items can flow freely through society, become products of shared heritage or culture, and be amended or exploited by artists in new national or collective contexts. More than a simple question of legality, compliance with copyright law represents a moral obligation for many artists seeking to be perceived as legitimate; in these terms, law becomes a form of moral constraint [5]. Law and moral obligation come into direct conflict with the prohibition of information dissemination and sharing inscribed in copyright. Even within a single country, copyright can thus create access barriers or fragmentation that raise equity issues regarding control over material that rightly or wrongly has become part of the shared heritage [17]. If an unused or overtly controlled cultural work, such as an author's publication lost in an unworthy editorial catalogue or a public-domain painting locked in an ornately framed museum showcase, can be considered in the public interest, control of content by creators can also pose a danger by threatening pansocietal dialogue on its respective merits. Access to all or targeted cultural works remains precarious as long as policy constrains the life cycle of works or the free experimentation of new distribution strategies in fresh environments [13].

Legal Reform and Enforcement Approaches

Digital distribution through file sharing, peer-to-peer systems, and a range of online platforms was rapidly established and globally implemented in the late 1990s and early 2000s, embedded in broader transformations of culture, technology, and society [12]. Digital piracy simultaneously emerged as a global-scale phenomenon disseminating cultural text beyond existing distribution domains without explicit authorization of rights holders and producers [6]. The challenge to conventional media markets, communications infrastructures, and business models was profound, raising significant ethical, economic, cultural, and societal issues, particularly in developing countries [1]. The profound questions around access to culture, public sphere, equity, and participatory development brought by digital piracy have since remained pertinent, with thematic foci shifting across time, geography, culture, and scale [13]. Cultural distribution through digital piracy aligns with provisions in the constitution and the Universal Declaration of Human Rights related to freedom of choice and access to education, information, and new technologies [14]. The steady evolution of Internet availability, access, and affordability in many developing countries fosters relevance, while significant building and extension of the public domain remains essential. Emergence of pro-piracy movements and organizations in the 2000s complements ongoing exploration of issues of access, equity, cultural rights, affordability, and open standards [15]. Such distribution expands considerably for countries classified as developing, lower upper middle, and lower middle [16].

Licensing Innovations and Fair Use

Digital distribution has transformed the creative economy and the media landscape [14]. The materials surrounding works disseminated online frequently attract interest due to their vernacular-exquisite textual features, their highly configurable audiovisual content and metadata, and the wide variety of harvesting opportunities available on many platforms [15]. These considerations point towards the notion that access to culture remains decidedly inequitable, particularly in respect to works with economic value or when internet availability is limited [9].

Educational and Cultural Policy Responses

Digital piracy is commonly perceived as primarily a legal-economic matter, yet it encompasses ethical, equity, and policy dimensions of equal importance, particularly regarding education and culture [16]. The cultural policy perspective shifts focus from illegality to the positive value of cultural access and exchange, fostering debate on access ethics, distribution fairness, and educational equity [6]. Such analysis promotes equitable access to a wide range of cultural content, both of and beyond local relevance. Studies indicate that links between distribution and creation increasingly blur in digital environments; the boom in distribution activity appears beneficial rather than detrimental to creative industries [5]. Legal, economic modes of intervention seek to fortify intellectual property protection at the expense of wider distribution accessibility and ethics. Education policy should instead be adapted to ensure that children after school or in unregulated peer contexts can be imparted relevant knowledge about the ethical handling of cultural material, particularly mass-market cultural works [1]. These educational initiatives might also alter perceptions of piracy as mere theft of scarce resources and promote stronger engagement with media, culture, and their contexts of production and distribution [17].

CONCLUSION

Digital piracy remains one of the most contested aspects of contemporary digital culture, positioned at the intersection of ethics, technology, law, and cultural participation. This study has demonstrated that piracy is not merely an issue of unlawful copying but also a complex mechanism of cultural distribution shaped by unequal access to information, economic disparities, technological transformation, and the changing dynamics of creative

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production. The growth of digital networks and online platforms has fundamentally altered how cultural materials circulate, making traditional copyright systems increasingly difficult to enforce within a globalized and interconnected media environment. The analysis revealed that digital piracy often functions as a response to structural inequalities in access to culture, education, and information. In many developing regions, high prices, restrictive licensing systems, inadequate distribution channels, and censorship create barriers that prevent audiences from obtaining cultural products through legitimate means. Consequently, piracy becomes a means of participation in global cultural life, enabling individuals to access music, films, software, games, scholarly works, and educational materials that would otherwise remain inaccessible. In this sense, piracy exposes deeper tensions between commercial ownership and the broader social value of cultural exchange. At the same time, the study acknowledged the legitimate concerns of creators and industries regarding intellectual property rights and economic sustainability. Unauthorized distribution may reduce revenues for some sectors, undermine investment in creative production, and create uncertainty for artists and publishers. However, evidence also suggests that piracy can generate visibility, audience expansion, and alternative economic opportunities, particularly within participatory and networked creative ecosystems. Emerging business models such as subscription platforms, crowdfunding, freemium services, open access publishing, merchandising, and fan-supported distribution illustrate that creativity and economic sustainability can coexist with broader forms of access. Furthermore, the study highlighted the importance of policy and governance in shaping the future of digital cultural distribution. Overly punitive enforcement strategies risk deepening inequalities, restricting educational opportunities, and undermining civil liberties through increased surveillance and control of digital communication. More balanced approaches should therefore combine intellectual property protection with fair use provisions, cultural preservation initiatives, affordable access systems, and expanded public-domain policies. Educational and cultural policies should also promote digital literacy and ethical engagement with cultural materials rather than framing piracy solely as criminal behavior. Ultimately, digital piracy reflects broader transformations in the relationship between culture, technology, and society. It reveals the growing demand for accessible knowledge, participatory creativity, and transnational cultural exchange in the digital era. As technological innovation continues to reshape media production and consumption, future governance frameworks must move beyond simplistic binaries of legality versus illegality and instead address the underlying economic, social, and cultural conditions that sustain piracy. A more equitable digital future will depend on developing systems that simultaneously protect creators, preserve cultural heritage, and ensure meaningful access to culture and information for diverse global audiences.

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