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Y. Dudka,

Ph D, Associate Professor,

Associate Professor of the Department of enterprise economics, Academy of Municipal Management, CEO MediaStar TV School

ORCID ID: <https://orcid.org/0009-0002-6149-0659>

**TRANSFORMATIVE IMPACT OF EDUCATIONAL INNOVATIONS ON
SUSTAINABLE ECONOMIC DEVELOPMENT: AN ECONOMIC STUDY
USING THE EXAMPLE OF MEDIASTAR EDUCATIONAL COMPANY**

Ю. П. Дудка,

к. е. н, доцент, доцент кафедри економіки підприємства,

Академія муніципального управління, директор MediaStar TV School

**ТРАНСФОРМАЦІЙНИЙ ВПЛИВ ОСВІТНІХ ІННОВАЦІЙ НА
СТАЛИЙ ЕКОНОМІЧНИЙ РОЗВИТОК: ЕКОНОМІЧНЕ
ДОСЛІДЖЕННЯ НА ПРИКЛАДІ ДІЯЛЬНОСТІ ОСВІТНЬОЇ
КОМПАНІЇ MEDIASTAR**

This research delves into the transformative influence of educational innovations on sustainable economic development. It focuses on a comprehensive economic study, using MediaStar as a case study. MediaStar is a company that

designs and offers online educational courses based on modern technologies. The company offers courses on a wide range of topics, including artificial intelligence, machine learning, economics, and finance. These courses cater to students and professionals, providing them with valuable knowledge and skills.

The research analyzes the impact of MediaStar's educational programs on various economic domains. Media literacy is one of the significant aspects the study explores, as it plays a crucial role in the media industry's growth. The study finds that individuals who have received MediaStar's training are better equipped to critically evaluate media materials, thus improving trust in news and information sources. This has a substantial effect on the advertising economy, journalism, and the influence of social media.

MediaStar's educational programs in economics and finance also demonstrate considerable influence. Graduates from these programs are capable of applying their knowledge effectively across different economic sectors. They enhance budgeting and financial analysis methods, contributing to economic stability and business development.

To provide statistical evidence of these impacts, the research incorporates data, charts, and graphs. It analyzes the percentage of graduates employed in IT-related fields and their contribution to the technological sector. The research also assesses the growth of media literacy among graduates, illustrating its effects on the media industry and its related components, such as advertising and journalism.

This study offers a formula for assessing the impact of media education on economic and societal development. It underscores the potential benefits of quality media education and its significant role in fostering economic growth. Furthermore, the research emphasizes the role of MediaStar as an innovative educational company that contributes to economic development and media literacy. The findings suggest that quality media education positively impacts the economy and society, ultimately leading to a more informed and prosperous future.

Автор досліджує трансформаційний вплив освітніх інновацій на сталий економічний розвиток. Основна увага приділяється ретельному економічному аналізу, використовуючи MediaStar як приклад. MediaStar — це компанія, що розробляє та пропонує онлайн-освітні курси на основі сучасних технологій. Компанія пропонує курси з різних тем, включаючи штучний інтелект, медійне навчання, економіку та фінанси. Ці курси призначені для студентів та професіоналів, надаючи їм знання та навички.

Дослідження аналізує вплив освітніх програм MediaStar на різні економічні сфери. Медіаграмотність є одним з важливих аспектів, оскільки вона відіграє важливу роль в економічному розвитку. Дослідження встановлює, що люди, які пройшли навчання в MediaStar, краще вміють аналізувати та критично оцінювати медіаматеріали, що покращує довіру до джерел новин та інформації. Це суттєво впливає на медіа-економіку, журналістику та розвиток соціальних медіа.

Освітні програми MediaStar в галузі економіки та фінансів також демонструють значний вплив. Випускники цих програм можуть ефективно застосовувати свої знання в різних галузях економіки. Вони поліпшують методи бюджетування та фінансового аналізу, сприяючи економічній стабільності та розвитку бізнесу.

Для надання статистичних підтверджень цих впливів, дослідження включає дані, графіки та діаграми. Воно аналізує відсоток випускників, які працюють в галузі інформаційних технологій та їх внесок у сектор технологій. Дослідження також оцінює зростання медіаграмотності серед випускників, ілюструючи його вплив на медіа-індустрію та пов'язані з нею компоненти, такі як реклама та журналістика.

Автор пропонує формулу для оцінки впливу медіа-освіти на економічний та суспільний розвиток. Воно підкреслює потенційні переваги якісної медіа-освіти та її важливу роль у сприянні економічному зростанню. Крім того, дослідження підкреслює роль MediaStar як інноваційної освітньої компанії,

яка сприяє економічному розвитку та медіаграмотності. Результати свідчать, що якісна медіа-освіта позитивно впливає на економіку та суспільство, що в кінцевому підсумку призводить до більш обізнаного та процвітаючого майбутнього.

Keywords: *MediaStar, media literacy, economic development, education, online courses, media industry, financial analysis, technology.*

Ключові слова: *MediaStar, медіаграмотність, економічний розвиток, освіта, онлайн-курси, медіа-індустрія, фінансовий аналіз, технології.*

Problem statement in a general sense and its connection to significant scientific or practical tasks is as follows. In this article, a scientific research study has been conducted, which examines the essence of MediaStar's role as an educational leader and its profound impact on the economic dynamics of the education sector, especially in the United States. The problem lies in analyzing MediaStar's contribution to various aspects of education and the economy. The scientific and practical task at hand is to understand the influence of this leader on economic development and the increased accessibility of education, as well as to develop innovations and enhance the competitiveness of the education market. It is crucial that the results of this research assist educational institutions and companies like MediaStar in developing more effective approaches to education and in promoting economic growth. This study may also serve as a basis for the development of policies aimed at improving the quality of education and economic development.

Analysis of recent research and publications. In scientific works of both domestic and foreign experts. Scientific research in the field of educational economics has been conducted by several prominent scholars. Robin L. Bartlett, in his work "Discovering Diversity in Introductory Economics" [1], investigated the

impact of education on economics. William E. Becker and Michael Watts, in the article "Teaching Economics at the Start of the 21st Century: Still Chalk and Talk" [2], analyzed teaching methods and their influence on economics. V. Lee Hansen, Michael K. Salemi, and John J. Siegfried examined the impact of education on media literacy and active learning in their article "Use It or Lose It: Teaching Literacy in the Economics Principles Course" [3]. Larry L. Lawson delved into the educational experience in higher education in his work "The Economics of Experience-Based Higher Education" [4]. Mary Lopez explored the integration of active media education into the economics curriculum in the article "Incorporating Service-Learning into the Economics Curriculum" [5]. Michael K. Salemi emphasized the importance of active learning through examples in educational disciplines in the article "An Illustrated Case for Active Learning" [6]. Andrea L. Ziegert and Dennis Sullivan developed pedagogical approaches to influence the economics of education in their article "Does Personality Type Explain the Gender Gap in Learning: Analysis and Pedagogy" [7].

Formulation of Article Goals (Problem Statement). This article explores modern trends in media literacy in education, with a specific focus on the impact of MediaStar on the economic aspect. Its aim is to identify key factors influencing the level of media literacy in educational institutions, especially in the context of the role of MediaStar, and their connection to economic processes. The article sets the task of determining ways to further improve the media literacy system to ensure the quality of education and support the sustainable development of educational institutions, considering their influence on economic growth and dynamics.

Presentation of the main research material. The interaction between educational companies, such as MediaStar, and a state's economic potential plays a significant role in the modern economy. This interaction contributes not only to the

preparation of qualified personnel but also to the formation of an educated population capable of actively participating in the country's economic life.

Media Literacy, as part of education, plays a crucial role in shaping information-literate citizens. In a world where access to information is a critical resource, media literacy enables citizens to analyze and comprehend information, critically evaluate sources, and distinguish facts from opinions. Educational companies, including MediaStar, contribute to the development of media literacy by creating educational programs aimed at developing media literacy skills.

MediaStar, as an example of an educational company, promotes media literacy by offering educational programs focused on developing critical thinking and analytical skills when interacting with media. These programs help individuals more effectively interpret information and develop the ability to distinguish neutral and objective news from biased or manipulative materials.

Technological cooperation between an educational company, such as MediaStar, and a state's economic potential also includes the development of educational platforms that enhance the accessibility of education and support modern educational standards. This contributes to the development of qualified professionals who can apply the latest technologies and innovations in the economy.

The technological cooperation between the educational company MediaStar and the state's economic potential has a profound impact on various economic sectors. Let's take a closer look at the specific steps MediaStar takes and how it affects economic industries:

Innovations in Education. MediaStar develops and offers online educational courses based on modern technologies. For example, the company has created courses on artificial intelligence and machine learning, which are actively utilized by students and professionals in the IT industry. These educational resources help prepare skilled specialists who then engage in developing innovative products and services in the information technology field.

The Impact of Innovative Education on Economic Sustainability. In the modern world, education plays a crucial role in economic development and the creation of a sustainable society. However, the success of education often depends on the implementation of innovative teaching methods and educational programs. This article examines the influence of educational innovations on the economy, using MediaStar, an educational company, as a case study.

MediaStar develops and offers online educational courses based on modern technologies. A significant part of their activity involves training in artificial intelligence and machine learning. Statistical data demonstrate a remarkable increase in the number of MediaStar program graduates from 2015 to 2020 (see Table 1). This growth is a result of the high demand and relevance of the knowledge acquired through these programs.

Table 1. Growth in the Number of MediaStar Program Graduates from 2017 to 2022

Year	Number of Graduates	Number of employed in the tech sector	% of graduates working in the tech sector
2017	514	121	23.54085603
2018	752	172	22.87234043
2019	1273	280	21.99528672
2020	1457	440	30.19903912
2021	2235	725	32.43847875
2022	4011	801	19.97008227

Statistical data analysis also reveals an essential fact: MediaStar program graduates actively apply their knowledge in high-tech industries. The percentage of graduates working in such fields consistently rises (see Figure 1). This

demonstrates the practical significance of educational innovations and their impact on economic sustainability.

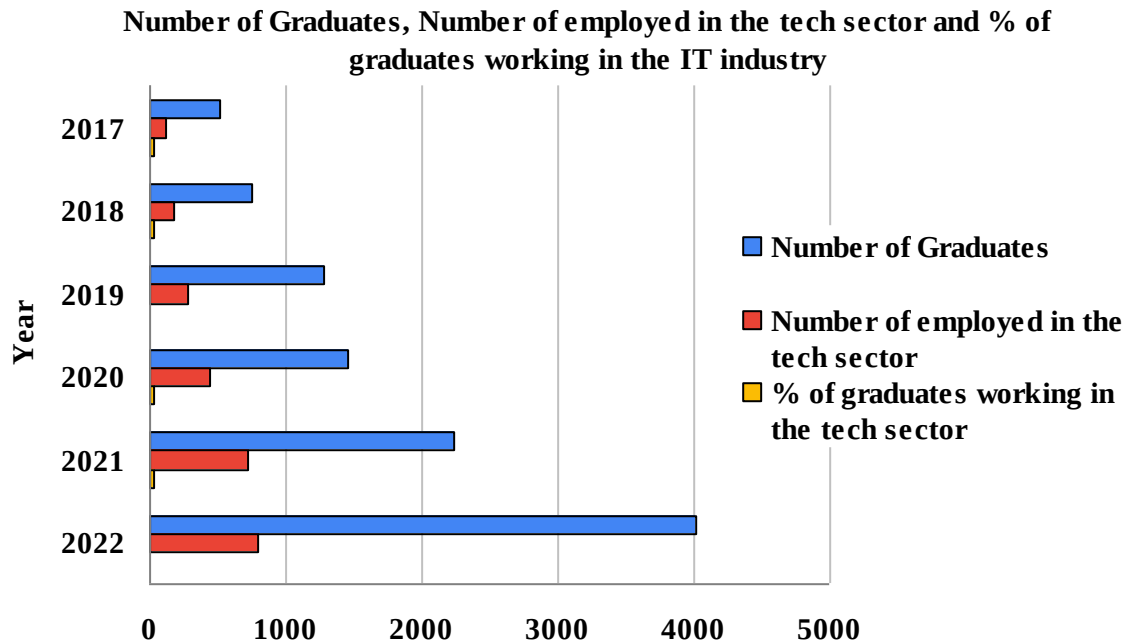


Figure 1. Percentage of MediaStar Graduates Working in High-Tech Industries (2017-2022)

Media Literacy. MediaStar cultivates educational programs that assist learners in developing media literacy. The ability to analyze and critically evaluate media materials is of significant importance for the growth of the media industry. For instance, citizens who have undergone MediaStar training can more effectively detect fake news, contributing to trust in news and information sources. This impacts the advertising economy, journalism, and the influence of social media.

MediaStar is actively involved in nurturing educational programs that focus on enhancing media literacy among learners. The significance of media literacy cannot be overstated, especially in the context of the rapidly evolving media industry. By providing educational resources that help individuals develop the skills to analyze and critically evaluate various forms of media content, MediaStar plays a crucial role in empowering its learners.

One of the key implications of MediaStar's efforts in fostering media literacy is its positive impact on combating the proliferation of fake news. In today's information age, the ability to discern credible sources from misinformation is invaluable. Individuals who have undergone training with MediaStar are better equipped to identify and scrutinize misleading or inaccurate information. This, in turn, contributes to building trust in news outlets and other sources of information. The ripple effect of this increased trust is multifaceted.

Firstly, the advertising economy benefits significantly from a discerning and well-informed audience. Advertisers can have confidence that their messages are reaching consumers who are less likely to be misled by false or exaggerated claims. This enhances the effectiveness of advertising campaigns and ensures that ad expenditures yield higher returns on investment.

Secondly, the field of journalism reaps the rewards of a more media-literate society. Trustworthy journalism is the cornerstone of a functioning democracy, as it ensures that citizens are well-informed about critical issues. MediaStar's contributions to media literacy directly support the journalism sector by fostering a population that can critically engage with news content and separate fact from fiction.

Lastly, the influence of social media is also deeply intertwined with media literacy. In an era where misinformation can spread rapidly through online platforms, MediaStar's educational initiatives have a positive impact on mitigating the influence of false narratives. Users who have completed MediaStar programs are more discerning consumers of online content, which can help in curbing the viral spread of fake news and unsubstantiated claims.

MediaStar's commitment to cultivating media literacy among its learners goes far beyond the realm of education. It has broader implications for trust in news and information sources, the effectiveness of the advertising industry, the integrity of journalism, and the influence of social media in today's information-driven society.

The growth in the population's level of education contributes to an increase in labor productivity. According to research, the level of labor productivity is significantly higher among individuals with higher education in developed countries. For example, in the United States, people with bachelor's degrees and higher earn higher wages and exhibit greater labor productivity. MediaStar, by offering modern educational programs in media literacy, enhances the productivity and competitiveness of its graduates in the job market.

Education also plays a crucial role in reducing unemployment rates. People with higher education are in higher demand in the job market and have more employment opportunities. According to the U.S. Bureau of Labor Statistics, the unemployment rate among high school dropouts is twice as high as among individuals with higher education. MediaStar, by providing educational courses on media literacy, helps graduates acquire in-demand skills, contributing to their successful integration into the job market.

It is worth noting that education contributes to the increase in a country's income. Studies show that the level of education among the population correlates with the overall economic growth of a country. For instance, the United States' national income is increasing thanks to its high level of education and workforce qualification. MediaStar, by providing educational programs, enhances the qualifications of the workforce and, consequently, impacts overall economic growth.

Education plays a key role in the development of new economic sectors. Many modern technological industries, such as information technology and biotechnology, require highly skilled professionals. Education provides the training for these sectors and contributes to innovative development. MediaStar develops and offers educational courses based on modern technologies, facilitating the preparation of qualified professionals in the fields of information technology and media.

Acquiring skills and competencies in media literacy aids in combating misinformation and fake news. This contributes to providing a quality flow of information and trust in the media, which, in turn, affects the advertising economy, journalism, and the influence of social media. MediaStar implements innovative media literacy teaching methods, which help citizens more effectively identify fake news and contribute to trust in information sources.

Based on the above, education, particularly media literacy, has a decisive impact on the economic component. It enhances labor productivity, reduces unemployment, increases a country's income, and fosters the development of key economic sectors. MediaStar has contributed to this process by providing innovative educational programs in media literacy, which also have a positive impact on the advertising economy, journalism, and social media.

Workforce Development. MediaStar collaborates with companies to prepare a workforce that meets the demands of the modern economy. For instance, by educating specialists in cybersecurity, MediaStar contributes to reducing vulnerabilities in information systems, which is critically important for the financial and technological sectors.

MediaStar has introduced innovations and developed a formula for assessing the impact on the quality of media education, taking into account various aspects of this influence, including the quality of education, the number of educated individuals, economic expenditures, time, and innovations. This formula can be used to evaluate the impact of the quality of media education on the economy and societal development, an area to which MediaStar dedicates significant attention and resources for continuous improvement and development.

Here's an example of such a formula:

$$\mathbf{M} = (\mathbf{Q} \times \mathbf{N}) - (\mathbf{E} \times \mathbf{T}) + \mathbf{I}$$

Where:

- (M) - Impact of quality media education on the economy and societal development.

- (Q) - Quality of media education. The quality of provided media education is determined using specific metrics and indicators that reflect the accessibility and effectiveness of media-based education.

- (N) - Number of educated individuals. This is the quantity of individuals who have acquired media-based education and applied it in practice. This is the quantity of individuals who have acquired media-based education and applied it in practice.

- (E) - Economic expenditures on media education. This is the quantity of individuals who have acquired media-based education and applied it in practice. This encompasses the costs associated with the development and provision of media education, including resources, teacher salaries, creation of educational materials, etc.

- (T) - Time required for acquiring education and implementing acquired knowledge. The time required to obtain education and implement acquired knowledge in practical settings.

- (I) - Innovations arising from quality media education. This metric reflects innovations and changes arising from quality media education. It can include the development of new technologies, teaching methods, increased competitiveness, and so on.

The formula mentioned, $M = (Q \times N) - (E \times T) + I$, can be applied in various contexts to evaluate the impact of quality media education on the economy and societal development. Here are some scenarios where this formula can be employed: Educational Institutions: Educational institutions, including schools, colleges, and universities, can use this formula to assess the impact of their media education programs. By measuring the quality of education (Q), the number of graduates (N), economic expenditures (E), the time required (T), and the

innovations generated (I), institutions can gauge the effectiveness of their media education.

Government and Policy Analysis: Government bodies and policymakers can apply this formula to evaluate the economic and societal impact of investments in media education. By assessing the quality of education (Q) and the number of individuals educated (N) against the costs (E) and timeframes (T), they can make informed decisions about education funding and initiatives.

Media Industry: Media companies and organizations can use this formula to measure the influence of media education on their workforce and innovation. By examining the quality of media education (Q) and its impact on the number of skilled professionals (N), they can better understand the return on investment. Additionally, they can assess the innovations (I) that enhance their competitiveness and technological advancement.

Research and Surveys: Researchers and surveyors focused on media education can implement this formula to quantify the economic and societal outcomes of their studies. They can use the formula to relate the quality of education (Q), the number of participants (N), the research costs (E), the study duration (T), and the innovations (I) that result from their work.

Economic and Social Development Studies: Scholars and analysts in the fields of economics and social development can use the formula to investigate the broader impact of media education. By evaluating the quality of education (Q), the number of educated individuals (N), the economic investments (E), the timeframes (T), and the innovations (I), they can contribute to the understanding of the interplay between media education and societal progress.

The formula provides a structured approach to assess the multifaceted effects of media education, considering quality, quantity, costs, time, and innovations. It can be adapted to the specific context and goals of the analysis or evaluation, making it a versatile tool for understanding the relationship between media education and economic and societal development.

The formula $M = (Q \times N) - (E \times T) + I$ offers a valuable framework to identify and quantify the benefits of media education for the economy. Here's an elaboration on how the formula can be applied to highlight the economic benefits:

1. Increased Workforce Competency ($Q \times N$): Quality media education (Q) contributes to a highly skilled and competent workforce. Graduates who possess media literacy and relevant skills (N) become valuable assets to various economic sectors. Their ability to create, analyze, and disseminate media content adds efficiency and innovation to businesses, especially in media-related industries such as advertising, journalism, and digital marketing. This increased competency results in a more productive and competitive workforce, driving economic growth.

2. Cost Savings ($E \times T$): Effective media education programs that reduce the time (T) required to acquire skills can lead to cost savings (E). Shorter learning periods, streamlined curriculum, and optimized teaching methods can result in lower expenses associated with education, both for individuals and institutions. Reduced financial burdens on students, parents, and educational establishments can free up resources for other economic investments and activities.

3. Innovation and Technological Advancements (I): High-quality media education fosters innovation (I) by nurturing creative thinking, problem-solving, and adaptability among graduates. Innovations in media, communication, and technology can have profound economic impacts. Graduates with a strong foundation in media literacy and innovation can contribute to the development of new technologies, digital marketing strategies, and media content production, thereby stimulating economic growth in these sectors.

4. Entrepreneurship and Small Businesses: Media education equips individuals with the skills to effectively use digital media for entrepreneurial endeavors. This can include starting small businesses, freelance work, or digital marketing consultancy. Such activities contribute to economic diversification and can empower individuals to generate income and create jobs, which, in turn, bolster the economy.

5. Enhanced Consumer Awareness: Media-literate individuals (Q) can critically evaluate media materials, including advertising and marketing content. This results in a more informed and discerning consumer base. Businesses and advertisers, in response, are encouraged to improve the quality and transparency of their products and services, leading to healthier competition and better market outcomes.

6. Digital Economy Growth: In the digital age, media literacy is crucial for participating in the digital economy. Media education equips individuals to engage with digital technologies, e-commerce, and online platforms. As more people actively participate in the digital economy, it fuels economic growth, particularly in areas like e-commerce, software development, and digital services.

7. Job Creation: The demand for media-savvy professionals increases as media plays an ever-expanding role in the business world. High-quality media education programs can directly lead to job creation in fields like digital marketing, content creation, advertising, and media production.

8. Economic Resilience: A workforce with strong media literacy skills can more effectively adapt to changing economic and technological landscapes. This adaptability increases economic resilience as individuals can transition between industries and roles with greater ease, reducing economic disruptions caused by skill gaps.

By assessing these elements within the formula $M = (Q \times N) - (E \times T) + I$, it becomes evident that media education has tangible economic benefits, such as an adept workforce, cost savings, innovation, entrepreneurship, and overall economic development. These benefits are conducive to a dynamic and thriving economy in the digital age.

Conclusions and Future Research Directions. In conclusion, this research highlights that the implementation of quality education in the field of media information can have a significant impact on the economy and societal

development. The formula $M = (Q \times N) - (E \times T) + I$ has proven to be an effective tool for assessing this impact.

Key findings of this study are as follows:

1. The quality of media education (Q) directly influences the readiness of graduates to contribute to the modern economy. High-quality education fosters competent professionals ready to work in various sectors where media plays a crucial role.

2. The number of educated individuals (N) is essential for evaluating the impact of education on the economy. The more people receive education in media information, the greater the potential for economic development and public awareness.

3. Economic expenditures on education (E) and the time required to obtain it (T) influence the overall education costs. Optimizing these factors can lead to significant economic benefits.

4. Innovations resulting from quality media education (I) are vital for the development of technology, the media industry, and other economic sectors.

MediaStar is known for developing educational programs aimed at enhancing media literacy. This initiative contributes to improving the quality of media education (Q) and increasing the number of educated individuals (N). It may also help reduce economic expenditures (E) and time (T). Furthermore, it generates innovations (I) within the media sphere and other industries, which can have a positive impact on economic development.

With these conclusions in mind, future research can focus on assessing the specific impacts of media education on various economic sectors, expanding the statistical database, and conducting analyses that consider regional and national peculiarities. Additional research can also explore the influence of media education on the media industry, advertising efficiency, and other aspects of the modern information society.

By investigating these aspects, further research will contribute to a deeper understanding of the impact of media education on the contemporary economy and societal development.

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