Artificial Intelligence Technologies in Newspaper Exclusive Topic

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ABSTRACT
The focus of the study is on how newspapers have covered artificial intelligence (AI) in newspaper exclusive topic. decades. In addition to the typical suspects like war and politics, it's not uncommon for news organizations to cover education, health, the environment, fashion, and the arts, as well as sports and other out-of-the-ordinary happenings. A government announcement about a royal ceremony, a new legislation or levy or a warning about public health or criminals has been referred to as news from ancient times. For the most part journalists have utilized various framing strategies, such as lexical compounds and argumentation patterns, to portray AI as a strong and value-laden subject.

Keywords
Newspaper, Organizations, Media, Artificial Intelligence

1. INTRODUCTION
After the sporadic forerunners, there were regular journals that were subject to suppression and censorship, as well as licensing, and finally a phase where direct censorship was abandoned but attempts to control continued through taxation, bribery and prosecution. All three phases can be seen in the evolution of the newspaper. After then, there has been some degree of autonomy [1].

A common form of contact for Roman officials and acquaintances, the newsletter started crossing borders routinely in the late Middle Ages among the major commercial families [2].

The Fugger owned a significant banking institution in Augsburg, Germany, and their periodical newsletters were well-known even to those who weren't locals. However, much as a modern financial editor must consider the larger sweep of events that may impact economic transactions, traders' newsletters carried commercial information on the availability and pricing of different commodities and services.

2. EMERGING TECHNOLOGIES
For centuries, the term "emerging technologies" has been used to refer to a broad variety of human innovations. There hasn't been much work done to provide a precise definition of emerging technologies, which have been used to mean a wide variety of different things in previous studies (e.g., new media, digital media, communication technologies). There was a lack of theoretical foundations, confusion in identifying essential concepts/terms, and excessive use of nonprobability samples in the earlier research on developing communication technologies, [3]

A wide range of platforms or gadgets (e.g., the Internet, video games, and mobile phones) were categorized as emergent technologies by Borah. Emerging technologies, such as nanotechnology and synthetic biology, are defined by [4] by embracing five key attributes: radical originality, relatively quick growth, coherence of identity, prominence of effect, and ambiguity [5]. There is no one-size-fits-all definition of emerging technologies, according to the authors of this paper.

Media Coverage of Emerging Technologies
For example, media coverage of developing technologies might be cyclical, event driven, and oriented to their wide-ranging, social, and political impacts. While newspaper coverage of nanotechnology started to wane, Google news coverage was on the rise, according to a comparison of print and internet coverage. Discourses in internet news are more diversified as well. We found that the media's coverage of nanotechnology is overwhelmingly favorable and supportive, based on our examination of German, Swiss, and Austrian publications. Nanotechnology's scientific, medical, and economic advantages were praised by the media, but the technology's concerns were simply addressed in passing [6].

Media coverage of biotechnology's issues is sparse, although there is a lot of discussion of its advantages. Biotechnology's portrayal in the American media was predominantly favorable, with an emphasis on its scientific development and commercial potential, according to an investigation. Ethics and public responsibility, on the other hand, were less often covered in the media. Said that the media tends to focus on stories that can be narrated and exaggerated.Due to the wide-ranging societal ramifications of new technologies like AI, they are likely to be the subject of media attention.

Figure 1: Newspaper Sample Over the world

3. MEDIA FRAMING OF AI
In 1955, a team at Dartmouth University described artificial intelligence (AI) as a collection of scientific methods and skills aimed at having a computer act in ways that are as intelligent as human beings. Artificial Intelligence (AI) has a wide range of possible implications and is thus portrayed in a variety of ways by different media outlets. In previous studies,

the influence of media frames on technology has been well-documented. Nanotechnology media frameworks have a greater influence on public perception than information alone, according to one study [7].

Media framing of developing technologies may benefit from the use of several language strategies, including terminological, argumentative, and emotional components. Compounds with the root word "carbon" were examined in media frames on climate change, and three groups of compounds communicating financial (e.g., carbon financing), societal and psychological perspectives (e.g., carbon morality). The writers emphasized the importance of lexical combinations, an etymological instrument that conveys a variety of viewpoints from diverse parties [8-12]. Media coverage of the then-emerging media technology, multimedia, was investigated and the reasoning patterns detected, including an optimistic economic perspective and political critique.

Analyzed how the "Internet" was presented in German news magazines in the early stages of the medium's dissemination in Germany Internet coverage is heavily influenced by the media's tendency to use positive or euphoric language. Apocalyptic perspectives, on the other hand, made up barely 5% of the coverage. A focus on individual liberation was placed on social functions such as democracy and divisiveness when analyzing the Internet's influence.

Optimization problems in the real world are notoriously challenging due to their complexity and sizeable dimensional search spaces.Engineering [13], machine learning [14], business processes [15], mechanics [16], economics [17], scheduling [18], and transportation [19] are just a few of the fields that have made use of Heuristic Optimization strategies.Optimization is identifying and then implementing the most optimal solution to a problem.

As a rule, this issue is recast as a search issue across several dimensions.In practice, this search refers to either minimizing or optimizing an objective function that rates the quality and quantity of a solution represented by a vector in the search space.

The term "meta-heuristic" refers to a class of approximate optimization methods that can produce good results reasonably [20].They are used to address complex issues in engineering and the sciences.Due to their simplicity and adaptability, meta-heuristic optimization techniques like Greedy Search and Local Search [21] have grown in popularity.They are straightforward because they are based on uncomplicated ideas or sources of motivation.Their adaptability means they can be used in many contexts without requiring significant adjustments to the underlying algorithm.In addition, the stochastic nature of the meta-heuristics enables them to thoroughly traverse the search space and avoid getting stuck in local optima.In addition, unlike gradient-based algorithms, which rely on derivative knowledge of the search space, meta-heuristics do not.Meta-heuristics are better options for optimizing real-world problems since the search space is typically quite complex, with many local optima and expensive or unknown derivative information.A technology's presentation, subtopics/themes, cognitive qualities, and emotional traits may all be framed by media, according to the author's conclusion (e.g., tones about the impacts of a technology).To understand how AI is framed in the media, it is helpful to look at the argumentation patterns listed by [22] Both lexical combinations and argumentation patterns will be examined in the media's coverage of artificial

intelligence.It's possible to get a unique perspective on wedge topics like developing technology by using lexical compounds. Research on AI metaphors (e.g., "computational systems are brains") has recently been conducted, although the importance of lexical compounds has received little attention. For conceptual and lexical cohesiveness, compound words and phrases are a useful tool. Some of these arguments may provide light on a particular subject, such as climate change or AI, from the perspective of multiple players or stakeholders [23].

Scientists, businesspeople, and journalists are the most often cited players in newspaper coverage of nanotechnology, even though traditional media has long been criticized for emphasizing some stakeholders over others when reporting on a subject like this. The researchers discovered that in 76% of the publications reviewed, just one person was named, with most of those people being scientists [24].Journalists, on the other hand, are less enthusiastic about nanotechnology than scientists and business leaders. As AI diffuses into a myriad of walks of human society, it is worthwhile to investigate how different stakeholders (e.g., scientists, politicians, business leaders) speak out on media, and how these stakeholders interact with each other commented, "good AI society" entails the collective efforts of key stakeholders including the governments, corporate sectors, citizens, and the research community. Exploring the presence of stakeholders in the media would provide insight into media's framing of and positioning on AI technologies and enhance the understanding of media reporting on emerging technologies in general. [25-27]

4. CONCLUSION

Take artificial intelligence (AI) as an example. The use of technology in the classroom may assist instructors in determining the most effective teaching methods, preventing test cheating, and automating time-consuming chores like responding to students' queries. Is educating future generations using intelligent robots rather than people truly a better option? Is it a good idea to delegate ethical, equitable, private, artistic, and creative issues to artificial intelligence (AI) systems? AI has previously been used in the news sector to aid newspapers

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