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ARTIFICAL INTELLIGENCE

# Introduction

## AI & its Influences

The forever changing nature of the world continually drives humanity to innovate, with each technological bringing advancements. The current change in the world which seems to be the Fourth Industrial Revolution marks a pivotal moment in computational science, exemplified by the emergence of Artificial Intelligence (AI) and more specifically, Machine Learning (ML) algorithms.

What is Machine Learning? According to Tom Mitchell, "Machine learning algorithms refer to computational techniques that can find a way to connect a set of inputs to a desired set of outputs by learning relevant data" (Tom Mitchell, Ref. 1). This enables ML (Machine Learning) systems to identify patterns, adapt to new information, and make predictions with minimal human intervention. Over time ML systems can even improve their performance autonomously optimizing their operations.

## AI and a Goal in Mind

With these abilities in mind and its predominant strength in pattern recognition, there is significant potential for Machine Learning systems to be applied successfully within the news industry. More specifically, these systems could be instrumental in identifying and mitigating the spread of potential fake news by analyzing the content of articles. Given that Machine Learning excels in pattern identification and predictive modeling, it offers a promising approach to detecting misinformation.

This scientific paper aims to explore the application of Machine Learning in ensuring the accuracy of news content. By using Machine Learnings predictive and adaptive capabilities, the paper will propose a potential practical solution for identifying misinformation and discuss its implications for improving how people access reliable and accurate information.

# Literature Review

# Methodology

# Results

# Discussion

# Conclusion

# References

Citations List:

## 1.0

KC Santosh, Nibaran Das and Swarnendu Ghosh (2021) *Deep learning models for medical imaging*. Academic Press.