







Harnessing Artificial Intelligence-Chat GPT (Generative Pretrained Transformer) to engage youths and women in climate-smart, sustainable livestock farming

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Introduction

- •Livestock species play a role in solving household food insecurity and enhancing Africa's resilience (Gwaka, et al., 2020).
- •A total of 66.80 million cellular mobile connections and 20.86 million internet users were active in Ethiopia in early 2023, equivalent to 53.5% of the total population (GSMA, 2023)
- •Artificial Intelligence (AI) and machine learning (ML) help farmers and producers improve their productivity and profitability, which can, in turn, support rural livelihoods and food security
- •Chat GTP is becoming a powerful tool for reaching internet user youth to scaling climate-smart livestock farming innovations

Methodology

Literature Review: A comprehensive literature review uses AI, specifically AI-ChatGPT, focusing on climate-smart sustainable livestock production

Study Selection: Studies for review were selected based on relevance to the topic, recency, and credibility of the source.

Data Extraction: Key information was extracted from each selected study, including the study's objectives, methodology, findings, and conclusions.

Quality Assessment: The quality of each selected study was assessed using appropriate criteria, such as the clarity of the study's objectives

Data Synthesis: The extracted data was synthesized to identify common themes, trends, gaps, and contradictions.

Objective

- ➤ To assess the potential of Al-Chat GPT in providing information and provoking climate-smart sustainable livestock farming to youths and women.
- ➤ To develop an interactive Al-Chat GPT model that effectively engages youths and women in discussions and learning about climate-smart sustainable livestock farming.

Result

ChatGPT's generative capabilities can be harnessed to revolutionize humanmachine interactions and unlock new possibilities in agriculture and other sectors

The review findings highlight Chat GPT's significant role in agriculture, serving as a critical instrument for knowledge transfer, decision-making support, accurate forecasting, and precise yield estimation, thereby enhancing resource efficiency and productivity.

Conclusion

- Review indicates it holds significant potential for future research and practical uses across diverse sectors.
- In-depth investigations are required to grasp its strengths and weaknesses comprehensively.