

Research Purpose

The study sought to evaluate ChatGPT's effect on students' independent learning experiences in a Ghanaian higher educational institution.



Methodology

- The study adopted a quantitative approach leveraged numerical data and statistical analyses.
- An online questionnaire was used as the data collection instrument for this study.
- **ChatGPT 4.0's code interpreter**, with advanced analytics, was used to clean, organise, and analyse the response data.
- The model used **Python** as the program for the analysis.

The sampling technique

The sample consisted of 334 participants, representing an **87.7% response rate** from the expected sample size of **381**.

- The study adopted a probability sampling technique, ensuring that each member of the population had an equal chance of inclusion.

Result

- The majority of students (45%) used ChatGPT to complete assignments, followed by 35% who used it for research work and 20% for learning new topics.

Recommendations

- Training and continued support by learning institutions can easily enable students and educators to maximise the fullest potential of ChatGPT as an AI tool intended for adaptive and engaged learning.

