Project 1: ChatGPT- Take It with a Grain of Salt

Description

Students are required to assess the accuracy of ChatGPT by feeding provided prompts into the chat box, evaluate the answers using their knowledge of the subject, and finally compile a performance report. This assignment is designed to shed some light on the flaws of the seemingly grandiose means of automation.

ChatGPT Prompts

1. Retrieve the latest real-time data set for happiness index by country.
2. Generate a list of random numbers and calculate the 5-number summary.
3. Can a bar graph be used to visualize the number of hours teenagers spend watching TV weekly?
4. Is the probability for a coin to land on head always 0.5?
5. What is the Empirical Rule in Statistics?
6. Suppose you have a dataset of exam scores that approximately follows a normal distribution with a mean of 80 and a standard deviation of 10. Using the Empirical Rule, what is the proportion of students that receive more than 90 on their exams?
7. When is the usage of pie charts not recommended?

Reflection

In the foreseeable future, as technologies evolve, there is a likelihood that ChatGPT will manage to provide correct responses to all prompts. In this context, as an instructor, it is necessary to rigorously assess its constraints and keep students apprised of any developments.

Assessment

ChatGPT produces accurate answers for some prompts, but provides misleading answers for others, affecting students' scores based on their assessment of ChatGPT's responses. The learning outcome of this assignment aligns with the Application of Ethical Perspectives/Concepts rubric of AACU (aacu.org) and for that reason, this assignment will be evaluated on the Application of Ethical Perspectives/Concepts rubric.