Module 2 Discussion

Research Article Discussion Board

Discussion Instructions

Step 1: Select and Analyze a Research Article

1. Visit the Public Library of Science (PLOS One):
   - Go to the [PLOS One website](#).
   - Search for a research article that interests you (topics related to psychology, behavior, or biology are encouraged).
2. Use an AI tool like ChatGPT to support your analysis:
   - Ask AI to help summarize the study. Example: *"Can you help summarize the main points of this study?"*
   - Use AI to clarify any challenging concepts or methods. Example: *"What is a longitudinal study, and how does it work?"*
3. Answer the following questions in your post (300-400 words):
   - **Hyperlink and Title**: Provide the hyperlink to your chosen study and its title.
   - **Authors**: Who conducted the research?
   - **Study Description**: In your own words, summarize the study in 3-4 sentences. Use AI to refine your summary, if needed.
   - **Hypothesis or Assumptions**: Identify the researchers' hypothesis or assumptions. Why were they conducting this research?
   - **Methods**: Describe how the study was performed. What research methods were used?
   - **Results and Conclusions**: Summarize the key findings and conclusions.
   - **Reflection**: Pose 1-2 questions inspired by the study. Reflect on how ChatGPT helped you interpret the results.

Step 2: Use AI to Find a Related Research Article

1. Ask AI to Recommend Articles:
   - Use a prompt like: *"Can you suggest peer-reviewed articles related to [my topic]?"*
2. Cross-Reference the Suggested Articles:
   - Use Google Scholar, PLOS One, or another academic database to locate the original article referenced by AI. Find the original article.
   - Compare the AI-generated summary to the original article. Evaluate:
     - Was the AI article accurate? Did it get the authors and dates correct and did it reference a legitimate source?

- Was the AI's summary accurate?
- Were any details misrepresented or missing?

3. Reflection:
   - In your post, briefly summarize the AI-recommended article.
   - Discuss:
     - The process of verifying the AI's suggestions.
     - Any discrepancies or surprises you found during cross-referencing.
     - Your overall impressions of using AI as a tool for evaluating and finding research articles.

Step 3: Engage in Peer Discussion

1. Respond to at least TWO Classmates (75-100 words per response):
   - Highlight your reactions to their research topic and findings.
   - Ask thoughtful follow-up questions based on their analysis or AI experience.
   - Compare your experience with AI tools to theirs, sharing any insights or strategies.

Rubric

Criteria	Proficient	Developing	Not Evident	Points
Article Selection and Description	Chooses an appropriate article, provides the hyperlink, title, and authors. Summarizes the study's purpose and methods effectively.	Chooses an article but provides limited or unclear details. Summary is incomplete or lacks focus.	Fails to choose an article or provide adequate information.	2
Understanding of Study and Hypothesis	Clearly identifies and explains the hypothesis or assumptions. Demonstrates insight into why the research was conducted.	Somewhat identifies the hypothesis but lacks depth in explaining the purpose of the research.	Does not identify or explain the study's hypothesis adequately.	1
Description of Methods	Provides a detailed and accurate description of methods used, highlighting research design and procedures.	Describes methods, but with gaps or inaccuracies.	Fails to adequately describe the study's methods.	2

Analysis of Results and Conclusions	Thoroughly discusses results and conclusions, showing understanding and insightful reflection.	Discusses results but lacks depth or fails to reflect meaningfully on their implications.	Provides minimal or unclear analysis of the study's results.	1
AI Cross-Referencing	Uses AI to find related research, verifies accuracy by cross-referencing, and reflects on the process and outcomes.	Uses AI to find research but provides limited cross-referencing or reflection on the process.	Does not use AI tools or fails to verify the accuracy of suggested articles.	2
Engagement with Peers	Substantial, meaningful engagement with at least two classmates, offering thoughtful insights and questions.	Engages with classmates but responses lack depth or are limited to simple agreement.	Minimal or superficial engagement with classmates.	2

/10