Analyzing a Journal Article

Include page numbers to indicate where you found the answer for each question.

Analyzing a Journal Article

Include page numbers to indicate where you found the answer for each question.

Analyzing a Journal Article

Include page numbers to indicate where you found the answer for each question.

Analyzing a Journal Article

Include page numbers to indicate where you found the answer for each question.

Analyzing a Journal Article

Include page numbers to indicate where you found the answer for each question.

|  |  |
| --- | --- |
| **Analyzing a Research Article**  Include page numbers to indicate where you found the answer to each question | |
| **Article Title:** | |
| **Step 1: What is the objective of this study** | |
| 1. Write down the exact statement in which the authors describe what they were testing. This may be provided as a purpose statement or a hypothesis. Include quotation marks around the exact wording. | **“This study aimed to determine the prevalence of experiencing AI dependence, to examine the**  **cross-lagged effects between mental health problems (anxiety/depression) and AI dependence and to explore the mediating role of AI**  **use motivations.”** |
| 1. Describe the purpose of the student, as you understand it, in your own words | **The purpose of this study was to investigate the prevalence of AI dependency among adolescents, along with the effects of AI on mental health over time. Additionally, the investigators looked at the motivations to use AI.** |
| 1. What is the gap in the previous research that the authors are trying to fill be conducting this study? | **There are only a few existing studies which are cross-sectional (limited to a single point in time) and use qualitative approaches (observational)** |
| **Step 2: What are the major findings of the study?** | |
| 1. What are the author’s major conclusions or findings? Include quotation marks if using exact wording. | **“AI dependence in adolescents was not predictive of subsequent anxiety and depression, suggesting panic over AI technology is unnecessary at present. In contrast, mental health problems had a positive prospective effect**  **on AI dependence, which was mediated by motivations for AI use.”** |
| 1. Summarize the conclusions, as you understand them, in your own words. | **The use of AI was not a predictor of mental health problems, however, those with mental health problems were more inclined to be AI dependent.** |
| **Step 3: How did the authors test their hypothesis?** | |
| 1. Briefly summarize the main steps or measurements that the authors used in their methods. May include type of study (survey, observation, etc), how, where and when data was gathered, study population. | * **Depression in adolescents was assessed using the Patient Health Questionnaire-9 (PHQ-9)** * **The Generalized Anxiety Disorder-7 scale (GAD-7) 79 was used to measure anxiety in adolescent** * **The AI dependence scale was adapted from the Smartphone Addiction Scales** * **The AI Use Motivation Scale was revised from the Artificial Intelligence Speaker Use Motivation Scale** |
| 1. How did the authors analyze their data? What test(s) did they use? | **“First, the description and correlation between variables were carried out using SPSS 24.0. Second, a cross-lagged panel**  **model (CLPM) and a half-longitudinal mediation model were constructed using Mplus 8.4. A cross-lagged panel**  **model was used to examine the longitudinal relationship between mental health problems and AI dependence”** |
| **Step 4: How reliable are the results?** | |
| 1. Do the authors suggest any problems or limitations with their methodology? Do you see any problems or limitations with their methodology? | **“This study has several limitations. First, the data in this study were self-reported, and subjective bias may have affected the results. Second, this study was based on Chinese adolescents, whereas technology use among adolescents**  **varies by country and culture (eg, adoption, type, etc.). Third, the participants who dropped and stayed at follow-up showed differences in some variables at T1, but the effect size of this discrepancy was too small to be considered.”** |
| 1. Do the conclusions made by the authors make sense to you? Are the conclusions too broad or too narrow based on what was done in the study? | **I feel like the conclusions were adequate** |
| **Step 5: What is the importance of this research study?** | |
| 1. Write (in your own words) the significant contributions of the research in this article as reported by the authors. | **The significant contributions is that peoples fears of AI’s impact on mental health are unwarranted.** |
| 1. Is this research an important contribution? How has this study changed the way you think about the topic? | **Yes. AI is a popular topic and growing quickly. The research removes some of the fears associated with this technology.** |
| **Step 6: How does this study relate to other research in this field?** | |
| 1. What prior research do the authors discuss? Look at the reference list. What are the topics/themes of the resources cited? | **The research looked at other studies that investigated the effects of AI on mental health, but these studies were cross-sectional and qualitative.** |
| 1. What are the next steps or future directions for this research as described by the authors? | **Future research should consider different AI technologies as AI technologies and related products are diverse and have different functions, and young people do not use just one type of AI technology** |
| 1. What questions about this topic do you have after reading this article? |  |