Review of: "The Impact of Study Environment on Students' Academic Performance: An Experimental Research Study"

Marcos Jose Alves Pinto[1]

1 Universidade Estadual de Campinas

Potential competing interests: No potential competing interests to declare.

Summary:

This experimental study examines the influence of noise levels on students' academic performance, finding significant differences based on the noise environment, thus emphasizing the importance of noise control in educational settings.

Strengths:

The study employs a rigorous experimental design, providing strong evidence on the impact of noise levels on academic performance.

It contributes valuable insights into environmental psychology, particularly regarding how study environments can affect learning outcomes.

The statistical analysis is robust, using a two-sample t-test to demonstrate a significant difference in academic performance between high and low noise conditions.

Weaknesses:

The study's generalizability is limited due to its specific experimental conditions.

It focuses solely on noise levels, neglecting other environmental factors that could interact with noise to affect academic performance.

The research does not extensively explore individual differences in noise sensitivity, which could offer deeper insights into the varied impacts of noise on students.

Minor Comments:

The paper is well-written and organized, clearly presenting the research process and findings.

Future studies should consider longitudinal approaches and the exploration of individual differences to further understand the sustained impact of noise levels on academic performance.

Recommendation:

This paper makes a significant contribution to understanding the role of study environments on academic outcomes. I recommend its acceptance with minor revisions, particularly to address the limitations regarding generalizability and the exploration of other environmental factors and individual differences in noise sensitivity.