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Article: Reviewing the STEM Barrier

The purpose of this research was to investigate the current state of access to journal papers in Science, Technology, Engineering, and Mathematics (STEM) fields. A comprehensive review was conducted to explore the barriers that hinder equal and open access to STEM field knowledge. This study analyzed the impact of subscriptions, publication costs, and limited access on researchers, students, and general knowledge. It examined the role of open access, preprint, and alternative publishing in diversity and inclusivity of knowledge. This article provides an overview of challenges and suggests solutions for addressing the knowledge barrier in STEM fields and the greater scientific community.

Contributions:

- Designed t-test in R programming language
- Applied t-test for study data synthesis

Moore, A. was brought onto the research team after the conceptualization and methodology design of the study. He was provided with annotated research data from previous research and investigation, resources with which to conduct his work, and financial support acquired prior to his participation.

Moore, A. was supervised by the study lead, who managed all research activity related to the study, validated the tests used by Moore, and provided Moore's data to the visualization and writing team.