

Data Visualization in Education: A Comprehensive Review

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Abstract: *Data visualization tools have become increasingly prevalent in educational settings, offering innovative ways to present information and enhance student learning outcomes. This comprehensive review examines the impact of data visualization in education by synthesizing findings from recent research papers. A thorough analysis of twenty peer-reviewed articles covering various aspects of data visualization tools and techniques in educational contexts is presented. The review highlights the effectiveness of these tools in engaging students, improving comprehension, and facilitating data-driven decision-making. However, challenges such as accessibility and educator training remain significant barriers to widespread adoption. Hence, Recommendations for future research and practices are Necessary*

Keywords: Data visualization.