

Here are five key points from the video:

1. **PISA Overview**: The Program for International Student Assessment (PISA) is a global survey aimed at evaluating educational systems by measuring 15-year-old students' skills in reading, mathematics, and science. The most recent cycle included participation from 81 countries and regions, generating rich data for educational research.
2. **Factors Influencing Math Achievement**: The systematic review identified 135 factors influencing mathematical achievement, which are related to individual students, households, school communities, educational systems, and broader societal contexts. Of these, only 57 factors were studied in multiple research papers.
3. **Key Findings on Influential Factors**: Among the identified factors, seven were consistently associated with math performance, highlighting the importance of family socioeconomic status and teacher shortages. Conversely, surprising findings revealed that student-centered instruction was negatively associated with math performance across multiple studies.
4. **Methodological Insights**: The majority of studies in the review relied on correlational analysis, which suggests a need for increased methodological diversity in PISA-related research to capture the complex interactions between various factors affecting education outcomes.
5. **Future Research Directions**: The video emphasizes the need for research into the complex interactions among the 135 identified factors and the unique educational contexts of different countries. It also calls for adopting diverse methodologies to better utilize PISA data for improving aspects of educational quality and equity.