Second Chance Education (SCE) Program Factors Influencing Girls’ Capacity & Math Achievement by Swetal Sindhvad

Research Question

• To what extent do students feel capable upon completing the Second Chance Education program?
• What is the relationship between student sense of capacity and student mathematics achievement?

Key Takeaways

• Girls’ capacity is dependent on how they think program features are effective in their learning, as well as their own sense of effectiveness as a learner.
• Girls’ math achievement is dependent on how girls think home visits and academic advice are useful to their learning process.
• Home visits and academic advice are critical sources of self-efficacy in SCE program.

Method

• Structural equation modeling to investigate the predictors of girls’ sense of capacity upon completing the program.
• Multiple regression analysis to investigate the relationship between girls’ sense of capacity and math achievement.

Sample: 842 women and girls ages 16-40 years attending SCE program in India responded to a survey measuring self-efficacy (i.e. capacity) related to program outcomes and a test questionnaire assessing math competency.

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