Pre-Class Response for Lecture 13:

Suppose that all students at a school take an end-of-year exam in math and reading. If a student fails either exam (meaning, scoring less than 50 on each of the exams, on a scale of 0 to 100), they have to participate in a summer school. All students are also tested next year in math and reading.

We are interested in the effect of summer school on next year's test results. Suppose the data you see are, for each student:

- this year's math and reading scores
- whether they participated in the summer school
- next year's math and reading scores.

How would you use these data to estimate the effect of the summer school? Would your results be useful information for the school to make policy decisions, for example (a) whether to get rid of the summer school program or (b) to make it mandatory for everybody?