

## PRIOR MATHEMATICS ACHIEVEMENT

### Overview:

The Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT) is a standardized test that provides firsthand practice for the SAT (see <http://www.collegeboard.com/student/testing/psat/about.html>). The PSAT/NMSQT measures students' critical reading skills, mathematics problem-solving skills and writing skills. There are 2 mathematics sections composed of both multiple-choice items and student-produced response items. These items cover material on numbers/operation, algebra/functions, geometry/measurement, and data analysis/statistics/probability. The PSAT/NMSQT scores have been scaled such that they are between 200 and 800.

### Source:

The data were simulated for the example in the book.

### Sample Size/Contents

The data consist of 40 students.

- **Block:** Block Number
- **PSAT:** The student's PSAT score. Higher values indicate higher levels of mathematics problem-solving skills.
- **Condition:** The treatment to which study participants were randomly assigned.
- **Achievement:** The student's post-treatment mathematics achievement score. Higher values indicate higher levels of mathematics achievement.