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Curriculum Units by Fellows of the Yale-New Haven Teachers Institute
1985 Volume VIII: The Measurement of Adolescents

The Statistics Sampler

Guide for Curriculum Unit 85.08.04
by David B. Howell

The unit provides eight lessons of activity-based inferential statistics. Each lesson centers on an experimental question—eg. What percent of the population is taller than 5'7"? Appropriate sample techniques are tried, and results compared. After several activities, students should be able to describe notions of sample, random sample, sample size and its connection to variations, and confidence limits. No formal mathematics beyond graphing and finding averages is needed or developed.

(Recommended for any Math course, grades 7 through 12)

Key Words

Mathematics Statistics Basic Skills Graphs Construction Elementary

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