



Curriculum Units by Fellows of the Yale-New Haven Teachers Institute  
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## Some Statistical Exercises

Guide for Curriculum Unit 85.08.05  
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This paper consists of six activities: 1. Word wealth; jobs and subjects using statistics. 2. Role playing; Do the assumptions fit the facts? 3. Shooting dice; sample space and probability. 4. Multiplying polynomials; an example of a generating function. 5. A fair game; mathematical expectation and the properties of the mean. 6. Measuring paper thickness; collecting and organizing data, median, mode, mean, frequency, accuracy, precision.

Hands-on activities to teach statistics. Things students can do.

(Recommended for Mathematics classes, grades 6 through 12)

### **Key Words**

*Mathematics Statistics Probability*

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