

Testing-Testing, 1 2 3 . . .

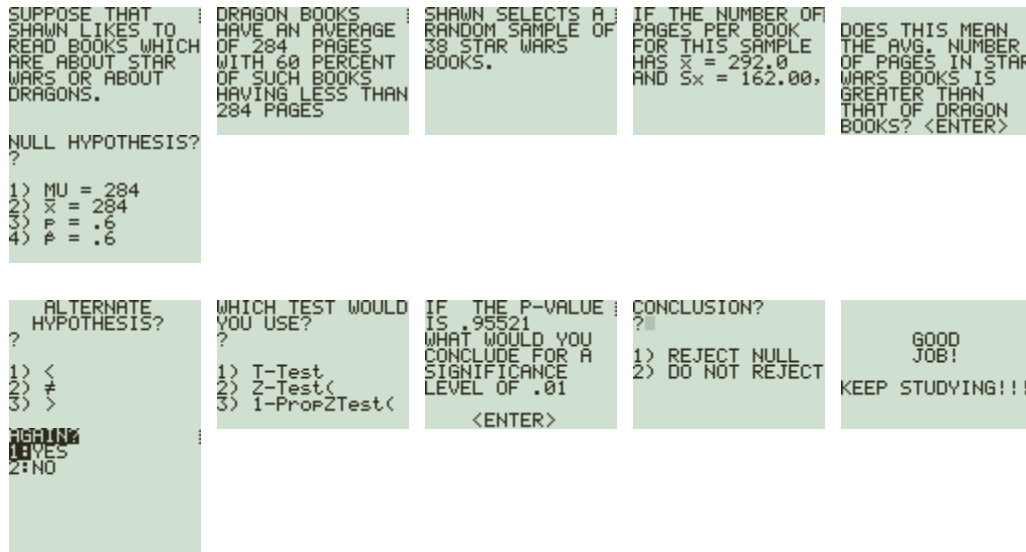
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Elementary Statistics Module

Statistics deals with making inferences about a population based on sample data. Many software packages exist that will perform the computations necessary for different hypothesis tests. The TI-83 Plus is also capable of running several basic hypothesis tests from raw data or input statistics. While technology takes a lot of the tedious computations away, it is still up to the analyst to determine which test is appropriate and to use the output to draw conclusions.

This module uses a program for the TI-83 Plus called *HYPTHSIS* to help students practice determining hypotheses, selecting appropriate tests, and drawing conclusions. The program focuses on testing a single population mean (for large sample and small sample cases) and a single proportion.

Screen Shots



1. Obtain the program *HYPTHSIS* for the TI-83 Plus from your instructor.
2. Run the program and determine the following as you read the problem (not necessarily in this order):
 - a. Null hypothesis
 - b. Alternative hypothesis
 - c. Sample size
 - d. Test to be used
 - e. P-value

