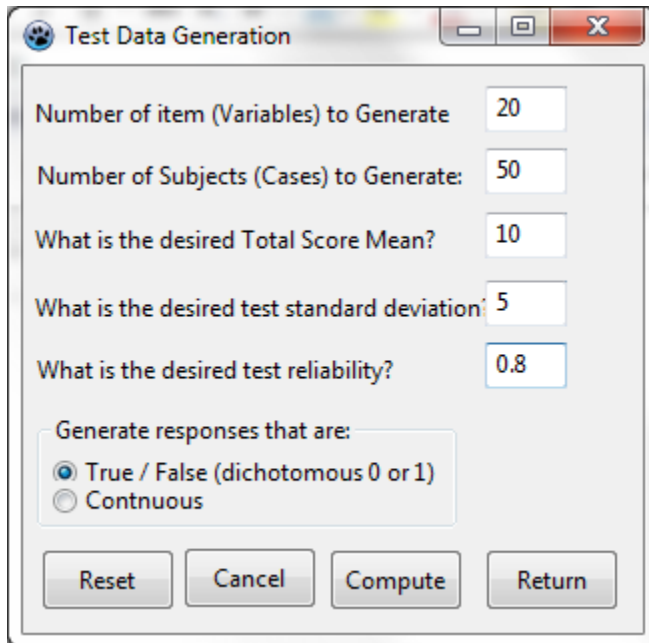


Test Data Generation

You can generate sample test item data for a number of subjects using this procedure. You can specify the desired mean and variance of the test as well as the desired reliability of the test. Once the data are generated, one can obtain the actual statistics based on the randomly generated data. Below is an example of creating test data for 50 subjects on a 20 item test with a desired reliability of 0.80.



The image shows a software dialog box titled "Test Data Generation". It contains several input fields and a group of radio buttons. The fields are: "Number of item (Variables) to Generate" with value 20, "Number of Subjects (Cases) to Generate:" with value 50, "What is the desired Total Score Mean?" with value 10, "What is the desired test standard deviation:" with value 5, and "What is the desired test reliability?" with value 0.8. Below these is a section "Generate responses that are:" with two radio buttons: "True / False (dichotomous 0 or 1)" which is selected, and "Continuous". At the bottom are four buttons: "Reset", "Cancel", "Compute", and "Return".

Field	Value
Number of item (Variables) to Generate	20
Number of Subjects (Cases) to Generate:	50
What is the desired Total Score Mean?	10
What is the desired test standard deviation:	5
What is the desired test reliability?	0.8

Generate responses that are:

- ☒ True / False (dichotomous 0 or 1)
- ☐ Continuous

Buttons: Reset, Cancel, Compute, Return