Statistical Symbols and Definitions Matching Assignment

Match the letter of the definition on the right to the appropriate symbol on the left.

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| Symbols | Definitions |
| * 1. Σ (Uppercase Sigma) \_\_\_\_ | 1. Null hypothesis |
| * 1. μ (Mu) \_\_\_\_ | 1. Summation |
| * 1. σ (Lowercase Sigma) \_\_\_\_ | 1. Factorial |
| * 1. π (Pi) \_\_\_\_ | 1. Nonparametric hypothesis test |
| * 1. ε (Epsilon) \_\_\_\_ | 1. Population standard deviation |
| * 1. χ2 (Chi Square) \_\_\_\_ | 1. Alternate hypothesis |
| * 1. ! \_\_\_\_ | 1. Maximum allowable error |
| * 1. H0 \_\_\_\_ | 1. Population mean |
| * 1. H1 \_\_\_\_ | i. Probability of success in a binomial trial |

Match the letter of the term on the right to the definition of that term on the left.

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| Definitions | Terms |
| * 1. The average of the squared deviation scores from a distribution mean. \_\_\_\_ | 1. Reliability |
| * 1. Midpoint in the distribution of numbers. \_\_\_\_ | 1. Mode |
| * 1. It has to do with the accuracy and precision of a measurement procedure. \_\_\_\_ | 1. Generalization |
| * 1. Examines if an observed causal relationship generalizes across persons, settings, and times. \_\_\_\_ | 1. Variance |
| * 1. The difference between the largest and smallest score in a distribution. \_\_\_\_ | 1. Median |
| * 1. The arithmetic average. \_\_\_\_ | 1. External validity |
| * 1. Refers to the extent to which a test measures what we actually wish to measure. \_\_\_\_ | 1. Mean |
| * 1. The most frequently occurring value in a set of numbers. \_\_\_\_ | 1. Internal validity |
| * 1. The conclusion from research conducted on a sample population to the population as a whole. \_\_\_\_   2. Examines whether the conclusion that we draw about a demonstrated experimental relationship truly implies cause. \_\_\_\_   3. Determines how far away the data values are from the average. \_\_\_\_ | 1. Range 2. Standard deviation 3. Validity |