

One-Population Hypothesis Test Assumptions

One-population Mean Assumptions

- The quantitative sample data should be collected randomly or be representative of the population.
- Data values within the sample should be independent of each other.
- The sample size should be at least 30 or have a nearly normal shape.

One-population Proportion Assumptions

- The categorical sample data should be collected randomly or be representative of the population.
- Data values within the sample should be independent of each other.
- There should be at least ten successes and at least ten failures.

One-Population Variance or Standard Deviation Assumptions

- The quantitative sample data should be collected randomly or be representative of the population.
- Data values within the sample should be independent of each other.
- The sample data must be normal.

One-Population Randomized Simulation Assumptions

- The sample data should be collected randomly or be representative of the population.
- Data values within the sample should be independent of each other.