Sample Flash Cards for MiniTab

1-Sample Sign Test

This is used to test the probability of a sample median being equal to hypothesized value.

Bar Chart

A bar chart is a graphical comparison of several quantities in which the lengths of the horizontal or vertical bars represent the relative magnitude of the values.

2-Sample t-Test

Used for testing hypothesis about the location two sample means being equal.

Beta Risk

Beta risk is defined as the risk of accepting the null hypothesis when, in fact, it is false.

Alternative Hypothesis (Ha)

The alternate hypothesis (Ha) is a statement that the means, variance, etc. of the samples being tested are not equal. In software program which present a p value in lieu of F Test or T Test When the P value is less than or equal to your agreed upon decision point (typically 0.05) you accept the Ha as being true and reject the Null Ho. (Ho always assumes that they are equal).

Baseline

A snapshot of the state of inputs/outputs frozen at a point in time for a particular process. A baseline should be recorded to establish a starting point to measure the changes achieved with any process improvement.

Attribute Data

Attribute data is purely binary in nature. Good or Bad, Yes or No. No analysis can be performed on attribute data.

Benchmarking

The concept of discovering what is the best performance being achieved, whether in your company, by a competitor, or by an entirely different industry.

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Bias

Bias in a sample is the presence or influence of any factor that causes the population or process being sampled to appear different from what it actually is. Bias is introduced into a sample when data is collected without regard to key factors that may influence it.

Capability

The capability of a product, process, practicing person or organization is the ability to perform its specified purpose based on tested, qualified or historical performance, to achieve measurable results that satisfy established requirements or specifications.

Bimodal Distribution

Distribution is one in which 2 values occur more frequently in data set than rest of the values.

Boxplot

A box plot, also known as a box and whisker diagram, is a basic graphing tool that displays centering, spread, and distribution of a continuous data set.

Binomial Distribution

In a situation where there are exactly two mutually exclusive outcomes (Ex: Success or Failure) of a trial, to find the x success in N trials with p as the probability of success on a single trial.

Capability Analysis

Capability analysis is a graphical or statistical tool that visually or mathematically compares actual process performance to the performance standards established by the customer.

Black Belt

Six Sigma team leaders responsible for implementing process improvement projects within the business to increase customer satisfaction levels and business productivity. Black Belts are knowledgeable and skilled in the use of the Six Sigma methodology and tools.

CAP : Change Acceleration Process

It is a change management framework with a set of tools…to gauge the political/strategic/cultural environment in the organization and plan for action which will eventually determine how much success a change initiative can bring in within the existing operating boundaries