

Keep Six Sigma Simple

Simple Analytical Tools

Sometimes the best tool for an important task is the simplest. That is often the case in making breakthrough improvements.

You don't need a bunch of complex tools to go to 5 Sigma (0.03% defects or 300 defects per million). All you need is a trend chart, a Pareto chart or two, a cause and effect diagram, and a control chart.

Basic Statistics

Mean, Median, and Mode

Start understanding your data with some basic statistics. Begin with three simple calculations to better understand data—mean (average), mode (the value that occurs most often), median (the midpoint of your data).

The Vital Few Equation: $Y = F(x)$

Y is the outcome of a process; it is a function of X's, the key variables (the vital few factors) in a process. Y is the characteristic of quality you are trying to achieve. By identifying the X's, you can measure, analyze, improve, and control them to double process quality and speed in the shortest time. By funneling all process elements through the equation, you will get to the vital few factors that best predict the outcome. Once you have a predictable outcome, you can make the changes that reduce your costs—**Breakthrough**.

Above all to achieve breakthrough improvement set a “BHAG”—Big Hairy Audacious Goal! Call us for more information on how to implement “Six Sigma Made Simple.” 847-919-6127—Ask For Willie Carter.