

Thursday, June 16th Section Meeting: Questioning Statistics and what is meant by a Valid Statistical Procedure

Summary: For nonstatisticians who have to deal with statistics, learn how to ask the right questions and determine if you are using a valid statistical procedure. A set of simple questions you should always ask will be presented. The regulatory term Valid Statistical Procedure will be clearly defined. As practice, examples of proposed studies will be examined by the audience to identify flaws in the studies. Dr. Taylor is the leading expert on acceptance sampling in the pharmaceutical, medical device and diagnostics industries. His articles on selecting statistically valid sampling plans have become standards in the industry and are used by the FDA in their new inspector training. He has taught his 2-day course [Successful Acceptance Sampling](#) to over 5,000 students and 50 companies including the CDRH (Center for Devices and Radiological Health) of the FDA.

Dr. Taylor is the founder and chairman of Taylor Enterprises, Inc. where he is responsible for the development of the [VarTran®](#), [Change-Point Analyzer](#), [Sampling Plan Analyzer](#) and [Distribution Analyzer](#) software packages as well as providing consulting and training on the Six Sigma approach and tools including Robust Design, Tolerance Analysis, Design of Experiments, SPC, Acceptance Sampling, and Statistics. In 2000, Dr. Taylor retired from his position as Director of Quality Technologies at [Baxter Healthcare Corporation](#) where he was responsible for Baxter's Six Sigma program. He and his staff have trained over 800 of Baxter's engineers to serve as Six Sigma black belts. He had been with Baxter for 22 years. He is author of the books [Optimization and Variation Reduction in Quality](#) and [Guide to Acceptance Sampling](#). The first book outlines the approach implemented at Baxter for achieving six sigma quality. The second book outlines a simple to use approach for selecting and justifying sampling plans as well as reducing inspection costs that is used throughout the medical device industries. This system has saved Baxter over 30 million dollars annually. Dr. Taylor is the leading expert on acceptance sampling in the pharmaceutical, medical device and diagnostics industries. His articles on selecting statistically valid sampling plans have become standards in the industry and are used by the FDA in their new inspector training. He has taught his 2-day course [Successful Acceptance Sampling](#) to over 5,000 students and 50 companies including the CDRH (Center for Devices and Radiological Health) of the FDA. Dr. Taylor is also a leading expert in Process Validation. He is author of Annex A of the Global Harmonization Task Force guideline titled Process Validation Guidance for Process Validation Engineers. The VarTran software and Dr. Taylor's course [Robust Tolerance Analysis](#) have rapidly become a key component of many companies DFSS (Design for Six Sigma) programs. Honeywell, the Six Sigma Academy and numerous other companies have adopted VarTran as an essential tool for designing high quality products. He has made many key contributions to the field of Quality including Variation Transmission Analysis, Process Tolerances, Quick Switching Systems and Change-Point Analysis. He has dozens of articles and hundreds of presentations to his credit. Dr. Taylor received his Ph.D. in Statistics from Purdue University. He is a fellow of the American Society for Quality and the Royal Statistical Society as well as a member of the American Statistical Association (ASA). Dr Taylor, author, founder and chairman of Taylor Enterprises, Inc. (www.variation.com), provides consulting and training on the Six Sigma approach and tools including Robust Design, Tolerance Analysis, Design of Experiments, SPC, Acceptance Sampling, and Statistics. He is author of two books and 5 software packages including [VarTran®](#), [Change-Point Analyzer](#), [Sampling Plan Analyzer](#) and [Distribution Analyzer](#). The VarTran software and Dr. Taylor's course [Robust Tolerance Analysis](#) have rapidly become a key component of many companies DFSS (Design for Six Sigma) programs. Honeywell, the Six Sigma Academy and numerous other companies have adopted VarTran as an essential tool for designing high quality products. He retired after 22 years with [Baxter Healthcare Corporation](#) where he was Director of Quality Technologies and responsible for Baxter's Six Sigma program. Dr. Taylor has a Ph.D. in Statistics, He is a fellow of the American Society for Quality and the Royal Statistical Society, and a member of ASA.



June 16th Pre-Meeting Clinic: Sixth Annual Putting Contest and Statistics



Join us for the networking event of the year! Enjoy an exciting Pre-Clinic featuring a Putting Contest at the Buffalo Grove Arboretum's golf course; with lots of fun and networking opportunities, all in support of a little data analysis. Our meeting room doors open up to the practice green where we've set out a six-hole putting contest. The green will be open at 5:00, so feel free to start your "official" try anytime before 5:45. Bring your own putter - or use one provided. Balls will be furnished. Plan to be there to cheer on your ASQ buddies and enjoy the time together. Proving statistical exercises can be educational and fun; our Pre-Meeting Clinic speaker, Dave Taylor, will lead us through a statistical data analysis exercise of golfer's scores after the golf round. Prizes galore for the winners and the "hardest working golfer". Looking forward to seeing you there.

David Taylor has been a member of ASQ1212 for 17 years and is ISO Support Group, Education Chair and Training Chair. Dave Taylor is a local quality consultant, an ASQ Certified Engineer, Auditor, Manager of Quality/Operational Excellence, and Six Sigma Black Belt. In addition to the certification classes he teaches a broad array of Quality subjects including Structured Problem Solving, SPC, and ISO 9001. In 2003 he authored a [Quality Program Manual](#) for the American Feed Industry Association.



JOIN US FOR OUR NEXT SECTION MEETING!

The American Society for Quality is a leading quality improvement organization and a knowledge-based global community of quality experts with a passion to improve themselves and their world. ASQ advances global learning, quality improvement, and performance excellence with over 100,000 members worldwide.

ASQ Section 1212 is dedicated to the promotion and advancement of quality tools, principles, and practices in the workplace and community. It is one of the top rated sections in the society and it meets on a regular basis to help their members become leaders of quality. We cordially invite you to join us on **Thursday June 16th** at the [Arboretum Club](#), 401 W. Half Day Rd (Rt. 22 E. of Rt. 83), at Buffalo Grove Road (across from Dominick's), in Buffalo Grove. Members and non-members are always welcomed.

Pre-meeting clinic: Sixth Annual Putting Contest and Statistics by Dave Taylor – 5:00 pm-6:00 pm

Networking/Dinner: 6:30P.M.

Main Presentation: Questioning Statistics and what is meant by a Valid Statistical Procedure – by Wayne Taylor - 7:30- 8:30 pm

The meetings are always free, meals are \$25, please reserve in advance.

E-mail: asq1212reservations@yahoo.com.