Columbia Basin Section
ASQ The Global Voice of Quality™

February 3, 2015
American Society for Quality
Columbia Basin Section 614

"The ABCs of Probability"

Tuesday,
February 3, 2015

LOCATION:
Columbia River Catering
Shilo Inn
50 Comstock
Richland, Washington

5:30 p.m. - Check in/Networking
(no host cocktail service)

6:00 p.m. - Buffet Dinner

6:45 p.m. - Presentation

DINNER BUFFET MENU:
The Chef and crew at Columbia River Catering always provide a fine and varied buffet dinner for us at the Shilo Inn. The buffet usually includes two entree choices, plus accompanying vegetable, a number of tasty salads, and a vegetable and/or fruit tray.

Your choice of coffee, tea or decaf is included with dinner. And don't forget to save room for dessert!

Cost:
$20 ASQ members
$24 non members
$5 presentation only

Reservations are due January 29. E-mail Panda_2@charter.net with your name, phone number, company affiliation, and type of reservation, or call Alvin at (509) 371-2221.

Note: All no shows will be billed unless cancelled 48 hours in advance.

For more information about our ASQ section and other upcoming events: www.asq614.org/

Jim Davidson
Davidson and Davidson, Inc.

Would you like to learn more about sampling plans, statistical sampling theory and statistical analysis of sample results to support decision making? Are you interested in data quality objectives (DQOs) and implementing the DQO process? Are you ready to be challenged and surprised?

The DQO process is a planning tool for data collection activities. Working through the steps in the process, stakeholders capture the logic needed to define the type, quality and quantity of data needed for decision making. Implementing the DQO process often results in substantial cost savings. Development of a defensible sampling plan, based on statistical sampling theory and statistical analysis of sample results is needed to support confident decision making.

Our speaker, Jim Davidson, will visually illustrate basic facts about probability related to random sampling with and without replacement, by sampling the ABC-to-Z letter sequence a million times or more per second on a laptop computer.

The results will astound almost anyone. For example, how long does one need to randomly sample (without replacement) a set of ABC blocks to be 95% confident of obtaining a least one correct arrangement when sampling at 1 million samples per second? How much more time is required when sampling with replacement?

Join us February 3 to get the answers to these questions…and more!

About the Speaker: Jim Davidson is owner and president of Davidson and Davidson, Inc. (DDI). He is an environmental scientist who has presented across the country on the topic of Data Quality Objectives and was involved in initiating and helping develop the first version of the Visual Sample Plan software that has become a standard in the environmental field.

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