



Quantum Associates, Inc
One Northbrook Place
5 Revere Drive, Suite 200
Northbrook, IL 60062
Phone: 847-498-7343 Fax: 847-432-2776

Basic Business Statistics Workshop

Program Overview

Day 1

- Introduction to Data Collection
- Presentation of Data
- Application activity: Using MS Excel Chart Wizard
- Descriptive Statistics
- Basic Probability
- Application Activity: Descriptive Statistics using MS Excel

Day 2

- Discrete Probability Distributions
- Normal Distribution
- Application Activity: Areas under the curve/Z scores
- Sampling Distributions
- Confidence Interval Estimation
- Hypothesis Testing: One sample Tests
- Application Activity: CI estimation and Hypothesis testing

Day 3

- Two Sample Tests and One Way Analysis of Variance
- Application Activity: ANOVA/F test
- Chi Square Tests
- Simple Linear Regression
- Multiple Linear Regression
- Application Activity: Regression Analysis using MS Excel
- SPC—Control Charts
- Application Activity: Control Charts using MS Excel

The Basic Business Statistics workshop provides the following benefits for participants:

- Familiarize them with using Microsoft Excel to solve statistical problems
- Provide guidance for using software
- How to apply statistics in business
- How to interpret results of statistical analysis

The workshop is led by an instructor with over 10 years of experience teaching business statistics at the university level.

The workshop can be scheduled for three consecutive days or over a three week period for one day per week.

This is an ideal learning environment for Six Sigma Belt candidates.