



Business Statistics for SAS - Part 2 Course Outline

Audience:

This course is for statisticians, data analysts and scientists wishing to explore and analyse data with the SAS System. The course is appropriate for those making use of statistics in all industries.

Prerequisites:

Attendees should have an understanding of statistical concepts and be trained to at least fundamental level in SAS. Ideally the delegate will have attended the Business Statistics for SAS Part 1 or have an equivalent level of competence. Whilst this course provides a brief overview of each methodology discussed, it does not intend to teach statistical methods. This course demonstrates how to utilise SAS to apply statistical methodologies and how to interpret the output generated by SAS procedures.

Objectives:

After the course, attendees will have a thorough knowledge of the main SAS statistical procedures for both discrete and continuous data and also of the interpretation of their output. The course will cover correlation of data, analysis of variance and regression techniques, both linear and logistic. The course uses procedures from Base SAS software, SAS/STAT software and SAS/GRAPH software.

Duration:

1 Day

COURSE TOPICS

BS1 Refresher

- Course Objectives
- Hypothesis Testing
- Exploring Continuous and Discrete Data
- Comparing Two Groups of Data
- Random Sampling
- Workshop Session

BS2 Correlations between Data

- Understanding Correlation
- Calculating Correlation Coefficients
- Workshop Session

BS3 Linear Regression

- Simple Linear Regression
- Multiple Linear Regression
- Workshop Session

BS4 Comparing More Than Two Groups of Data

- Analysis of Variance (ANOVA)
- Non-Parametric Analysis of Variance
- Workshop Session

BS5 Discrete Data Analysis

- Binomial Proportions
- Chi-Squared Test
- Logistic Regression
- Workshop Session

