



Further Statistical Tools for Analytical Scientists

09:00 *Registration and coffee*

Morning session

09:30 Introduction to course

Introduction to non-normal distributions

Workshop 1: Identifying non-normal distributions

Dealing with intrinsically non-normal distributions

Workshop 2: Handling non-normal distributions

Outlier handling 1: Identification of outliers

Workshop 3: Visual and statistical outlier identification

Outlier handling 2: Retention, rejection and accommodation

Workshop 4: Handling outliers

Afternoon session

Introduction to two-way ANOVA – fundamentals of ANOVA

Workshop 5: Scenarios for one-way and two-way ANOVA

Two-way ANOVA without replication

Workshop 6: Carrying out and interpreting basic two-way ANOVA

Two-way ANOVA with replication

Workshop 7: Carrying out and interpreting two-way ANOVA with replication

Introduction to further regression

Weighted regression

Workshop 8: Carrying out weighted regression

Non-linear regression: Polynomials

Workshop 9: Carrying out and interpreting non-linear regression

Round-up and general discussion

17:30 *Close*