Workshop 7: Six Sigma Analytics Training

Prerequisites

None

Topics*

Day 1: Define Phase

1. Understanding Six Sigma
2. Six Sigma Fundamentals
3. Turning Business Questions into Six Sigma Projects
4. Introduction to Analytics

Day 2: Measure Phase

1. Welcome to Measure
2. Six Sigma Statistics
3. Measurement System Analysis
4. Process Capability
5. Understanding Critical Y's

Day 3: Analyse Phase

1. Welcome to Analyse
2. "X" Sifting
3. Multivariate Analysis
4. Advanced Analytics Topics for Complex Projects

Day 4: Improve Phase

1. Welcome to Improve
2. Process Modeling Regression
3. Advanced Process Modeling
4. Designing Experiments
5. Experimental Methods
6. Full Factorial Experiments
7. Composite Experiments

Day 5: Control Phase

1. Welcome to Control
2. Capability Analysis
3. Statistical Process Control (SPC)

* Note that the list of topics covered may vary slightly depending on the nature of the business questions to be answered, and the content of the supporting data supplied by the delegates

Timing & Duration

5-Day Workshop

10:00 – 11:00 Session 1 (1 Hour)
11:00 – 11:15 Break (15 min)
11:15 – 12:15 Session 1 (1 Hour)
12:15 – 12:45 Lunch (30 min)
12:45 – 13:45 Session 1 (1 Hour)
13:45 – 14:00 Break (15 min)
14:00 – 15:00 Session 1 (1 Hour)