

MBB B11

Advanced Measurement Systems Analysis

Who Should Attend:

- Black Belts involved in data analysis
- Managers and specialists in analytical services
- Individuals involved in collection and analysis of transactional or marketing data
- Mentors of Black Belts and Green Belts

Key Topics:

- Data integrity
- Evaluating measurement systems for continuous responses
- Determining and using a calibration equation
- Gage R&R studies
- Roles of ANOVA in measurement systems analysis
- Evaluating destructive measurement systems
- Evaluating in-line measurement systems
- Evaluating attribute measurement systems using attribute agreement analysis
- Evaluating go - no go measurement systems
- Roadmap and guidelines

Benefits:

- Comprehensive understanding of measurement system analysis for continuous and categorical data
- Ability to evaluate individual contributions of multiple sources of variation in a measurement system
- Ability to evaluate measurement systems with incomplete data
- Understanding options for evaluating destructive measurement systems
- Insight into evaluation of in-line measurement systems
- Understanding and interpretation of procedures for evaluating nominal and ordinal categorical measurement systems
- Insight into evaluation of go – no go measurement systems

Prerequisites:

- Data analysis experience at Six Sigma Black Belt level or equivalent