ASQ® Certified Six Sigma Black Belt

Time table for 4 days Black Belt Boot Camp

Day 1	Day 2	Day 3	Day 4
Introduction and expectations of **participants** Introduction into basic **Six Sigma concept** (organization & roles)	**Correlation & Regression** Correlation analysis, linear regression, logistic regression	**Recap of basic statistical terms** and measures of distributions	**Recap** of content and **individual focus areas**
Overview D-M-A-I-C: approach & tools Project Charter, SIPOC, VOC, Project Management, Value Stream Mapping, Makigami, Ishikawa, Brainstorming, FMEA, Closure report **Interaction: SIPOC** *Feedback session*	**Statistical Tests I** Basics, Parameter testing, Goodness of fit testing, Tests for normally distributed measures **Interaction: Tests for normally distributed characteristics** *Feedback session*	**Process capability analysis** Normally-distributed, non-normally and discrete distributed measures **Interaction: Application of statistical analyses** *Feedback session*	**Design of Experiments** Practical examples and exercises **Interaction: Catapult** *Feedback session*
Pause			
Management & Organisation I Understanding of project management, dimensions of Six Sigma, relation of Business- and Operational Excellence function	**Fundamentals of Statistics 1** Introduction to basic terminology, scale levels, probability, distribution models, calculation of Sigma level	**Fundamentals of Statistics 2** Basics, Parameter testing, Goodness of fit testing, Tests for non-normally distributed measures **Interaction: Tests for non-normally distributed characteristics**	**Examination** Duration of examination 2 hours 20 questions
Management & Organisation II Deployment of Six Sigma, Change-Management, Six Sigma Board, Feedback	**Fundamentals Statistics & Probabilities** **Interaction: Application of probability distributions (e.g. binomial) and introduction in Minitab and Excel**	**Fundamentals of Statistics 3** Tests for discrete characteristics **Interaction: Tests for discrete characteristics**	**Training closure** und **discussion on questions** for further application of learning content
Q&A Session – Summary and discussion on open questions *Feedback session*	Q&A Session – Summary and discussion on open questions *Feedback session*	Q&A Session – Summary and discussion on open questions *Feedback session*	Q&A Session – Summary and discussion on open questions, **Hand out of certificates** *Feedback session*

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