



Add value.
Inspire trust.

Introduction to the fundamentals of statistics

for Quality Management
Specialists



Course Description

It is absolutely critical that statistics be handled correctly to ensure a fact-based quality management. In the age of big data, organizations normally have large amounts of data, but it is necessary to learn how to select and interpret the data correctly.

This eBook will introduce you to the fundamentals of statistics, focusing on quality-related methods, key performance indicators and control variables. The main statistical quality methods based on the calculus of probability will be explained. Armed with this knowledge, you will know where to start optimizing your processes.

Who should attend

Quality assurance and quality management personnel

Course Objective

You will be able to interpret data to derive measures for improvement.

Course contents

- Population, sample and probability
- Descriptive and inferential statistics
- Qualitative and quantitative characteristics
- Descriptive statistics
 - Measures of central tendency
 - Measures of dispersion
- *Normal distribution
- *Analysis of qualitative characteristics
- *Process capability and machine capability

Requirements

None.

Methodology and digital format

Self-paced online training with e-book.

Certificate

Once you have successfully completed the course, you will receive a certificate of attendance from the TÜV Süd Academy.

Sale Modes: Single License, Group License, SCORM Sale

Duration: 120 minutes

Number of Chapters: 3

Number of Quizzes: none

Learning Mode: Self-Paced (LMS)

Interactivity Level (1-4): none

Language: English