

# Lean Six Sigma | Multimedia Courseware

**Analysis - WXML510-XX05XEN-E1**

Objective 1: Describe the Analysis Phase of a Six Sigma Project

**Types of Analysis**

As stated previously, data takes many forms. Analysis of data also takes many forms, but there are generally three types of data analysis.

- ✓ Descriptive Analysis
- ✓ Inferential Analysis
- ✓ Predictive Analysis

**Descriptive Analysis**

Descriptive analysis includes things like range, minimum, maximum and frequency. Descriptive analysis can be very complex, but it is only used to tell the story or summarize the findings. For example, the number of defects found would be descriptive because it gives general information, but does not give details as to the type of defects.

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## eLearning Course: MXML510

This course covers a variety of Lean Six Sigma topics such as Six Sigma business drivers, customer value and expectations, process capability, hypothesis testing, and process/product improvement. Specific objectives include: how to determine if Lean Six Sigma or DMAIC is needed for a given project; describe the elements of a Six Sigma project charter; how to conduct process capability studies; describe a hypothesis test for means, variation, and proportions; and how to use F-Test and T-Test to validate solutions.

## Teach Lean Six Sigma Skills

### In-Depth, Comprehensive Lean Six Sigma Curriculum Connected to Real-World Skills

Amatrol's eLearning curriculum is unique in that it thoughtfully combines in-depth theoretical knowledge with practical, hands-on skills. This powerful combination of knowledge and skills solidifies understanding and creates a strong foundation for pursuing more advanced skills.

### Lean Six Sigma Principles

Learners begin with an introduction to Lean Six Sigma, including Six Sigma, Six Sigma business drivers and projects, and processes similar to Six Sigma. Individual lessons focus on topics like the roles and benefits of Lean Six Sigma, steps of DMAIC, basic operation of a business, and balanced scorecards. Lessons eventually advance to more complex topics, such as how to identify and select a project, the Theory of Constraints, design for Six Sigma (DFSS), and identify, design, optimize and verify (IDOV).

## Interactive eLearning

### Multimedia Curriculum Features for Conflict Resolution eLearning

Amatrol's peerless [interactive multimedia curriculum](#) utilizes text with voiceovers, pictures, videos, stunning 3D animations, and interactive quizzes and reviews that engage learners in theoretical knowledge and concepts. This thorough, detailed curriculum begins with the basics and advances to complex concepts. Through partnerships with key industry leaders and leading educators, Amatrol developed the right balance of knowledge to train

learners to work in their chosen field.

## **Additional Info**

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### **Requires:**

- Computer ([see Computer Requirements](#))
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