

# Data Analytics

## Category and Courses Marketing Kit

Learn to measure it, so you can better manage it.



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# I. Course Summary Descriptions

## Data Analytics

Modern business software produces mountains of data; it's up to the professional to examine it and draw meaningful conclusions. MindEdge's Data Analytics certificate and coursework will teach the fundamentals of quantitative analysis so that you can read the trends in your spreadsheets to convert them to thoughtful business decisions.

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### Certificate in Data Analytics

This certificate in data analytics provides an overview of topics in statistics and their applications in a variety of fields. This certificate will present the basics of quantitative analysis and its increasing use in today's professional landscape. Learners are exposed to quantitative decision-making tools and techniques, which tie into real-world case studies. Each course in this certificate utilizes games, videos, interactive exercises, quizzes, real world case studies, and other engaging content to ensure rapid mastery of the content and direct application. Course videos and lessons focus on use of both Microsoft Excel and OpenOffice.

**Learner Satisfaction: 99%**  
**Estimated length: 30 hours**  
**Access Time: 365 days**  
**Credits: 3 CEUs**

### Data Analysis for Improving Organizational Performance

When using data analysis to improve organizational performance, it's vital to employ the tools that bring the data to life and keep people engaged in the process. Organizations in both the public and private sectors often use tools and frameworks to deliver the data, and the information the data might suggest, to its staff. This intermediate-level course will explain some of these measures and tools, describe some specific measurements, and explain the relationship between assessment and strategy. Summarizing the data with the correct tool can be the gating factor to reaching staff and effecting changes that spur performance improvement.

**Learner Satisfaction: 98%**  
**Estimated length: 5 hours**  
**Access Time: 90 days**  
**Credits: 0.5 CEUs**

# Data Analysis in the Real World

This course discusses data-driven decision making across a variety of sectors such as healthcare, education, and government. This course also offers recommendations for decision-making based on data analytics for each sector. The course will begin with an introduction of Big Data, then continue into a deeper dive on its implications within each sector.

**Learner Satisfaction: 99%**

**Estimated length: 5 hours**

**Access Time: 90 days**

**Credits: 0.5 CEUs**

## Introduction to Data Analysis

Whatever your profession. Whatever your field. As a professional, and certainly as a leader, you will be asked to make a decision based on data. This course will introduce the different types of decisions made in an organizational setting, why quantitative analytics is important, and how data quality can affect decision making. Since quantitative analytics is used in various settings, this intermediate-level course also offers insight into how research is used in different sectors. From a management perspective, the course highlights appropriate quantitative methods and ways to ensure quality and accuracy through research design.

**Learner Satisfaction: 100%**

**Estimated length: 5 hours**

**Access Time: 90 days**

**Credits: 0.5 CEUs**

## Statistical Process Control

Statistical Process Control is all about boosting quality. Quality management can not only deliver value to customers and stakeholders, it can also enable data-driven decision making that helps organizations gain a competitive advantage in the marketplace. This intermediate-level course will introduce the basics of quality management, explaining the difference between quality control and quality assurance, providing methods for application of analysis, showing different applications of the Seven Basic Quality Tools. It all culminates in a brief case study, which illustrates the concepts covered.

**Learner Satisfaction: 100%**

**Estimated length: 5 hours**

**Access Time: 90 days**

**Credits: 0.5 CEUs**

# Statistics as a Managerial Tool

Managing today can require good instincts. However, instinct is not enough to manage the huge amounts of available data and the complex variables of the business world. Statistics can help managers and leaders make sense of these complexities, back-up their assertions, and feel confident about when to take the risks and when to pump the breaks. This intermediate-level course examines statistics as a managerial tool. It also looks at common graphical representations of data and how these can be effective tools to explain situations and support persuasive arguments for a course of action.

**Learner Satisfaction: 99%**

**Estimated length: 5 hours**

**Access Time: 90 days**

**Credits: 0.5 CEUs**

# Tools of Data Analysis

There are a number of statistical tools and techniques that are commonly used by organizations to inform decision-making. These tools span numerous business functions and support many different objectives. This intermediate-level course describes, evaluates, and analyzes different statistical techniques and their real-world limitations and benefits. The course features crossover analysis, break-even analysis, cluster analysis, decision tree analysis as well as an introduction to regression.

**Learner Satisfaction: 98%**

**Estimated length: 5 hours**

**Access Time: 90 days**

**Credits: 0.5 CEUs**

## II. Testimonials

The following testimonials are provided by learners that have completed courses in the Data Analytics suite.

### **Data Analysis for Improving Organizational Performance**

*"My learning experience was amazing. I enjoyed it even more because it is self-paced and user friendly. The knowledge gained will be useful in any field I venture in."*

### **Data Analysis in the Real World**

*"Knowing how to extract information from a data warehouse is really beneficial and important."*

### **Introduction to Data Analysis**

*This was a very interesting course. It was put together well and it was easy to use."*

### **Statistical Process Control**

*"The course helped me summarize all my knowledge to study in statistics, yet offered me effective decision support tools. Thanks."*

### **Statistics as a Managerial Tool**

*"Good course, with helpful reminders about statistics and probability."*

### **Tools of Data Analysis**

*"It was a great course to understand tools of data analysis."*