

# Introduction to Data Visualization

**Course Number:** 4606

**Length:** 2 Days

**Primary Delivery Method:** Instructor-led online (synchronous); Instructor-led live classroom

**Alternative Delivery Methods:**

## Course Description

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Learn to select an appropriate visual format to communicate data and extract valuable information from your organization's data by removing the barriers to understanding key information. Apply basic best practices for data visualization, which will allow you to identify how to graphically display data in presentations and reports to adequately provide decision-makers with the information they need. In this course, you will learn basic data visualization techniques, then strengthen and practice those new techniques in a capstone exercise.

## Intended Audience

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This course is for professionals who already have a basic understanding of how to use Excel who are interested in or work with data sets for visual presentation.

## Client-Provided Facility Requirements

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- 1 computer per student with Internet and Microsoft Office 2010
- Internet required for instructor computer

## Course Learning Objectives

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- Describe the importance of data visualization for business intelligence and decision-making
- Use psychology of perception to assess and enhance the impact of visuals for the stakeholder audience
- Use data visuals to convey distributions and relationships
- Use data visuals to convey trends in data over time
- Identify purposes and uses of data visualization for the organization
- Compare and contrast performance measurement data using effective data visuals
- Construct effective data visuals to solve workplace problems

## Course Additional Features

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- Producer Support
- Technical Support Team
- Post-Course Connection
- Extended Learning Bursts
- Dedicated In-House Accessibility/Section 508 Compliance
- Student Resource Guides
- AI Prompts

All details about the Additional Features are available on this page. [Click here to Explore](#)

# Introduction to Data Visualization

## Course Schedule

DAY ONE	
MORNING	Module 1: Introduction to Data Visualization
	Module 2: Designing Effective Data Visuals
	Module 3: Analyzing Trends and Patterns, Lesson 1
LUNCH	
AFTERNOON	Module 3: Analyzing Trends and Patterns, Lesson 2
	Module 4: Time Series Analysis
	Module 5: Data Visualization Applications, Lesson 1

DAY TWO	
MORNING	Module 5: Data Visualization Applications, Lesson 2
	Module 6: Making Performance Comparisons, Lesson 1
LUNCH	
AFTERNOON	Module 6: Making Performance Comparisons, Lesson 2
	Module 7: Problem-Solving with Data Visualization

## Learning Methods

Lecture, facilitated discussion, hands-on practical exercises, scenario-based analysis and problem resolution, systems-based application using Microsoft® Excel

## Credits

### National Association of State Boards of Accountancy (NASBA)

- Field of Study: Statistics
- Level: Intermediate
- CPEs: 16

# Introduction to Data Visualization

## Professional Development Units (PDUs)

- Credits: 14

## Continuous Learning Points (CLPs)

- Credits: 16

## Management Concepts Certificate Program Relationship

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This is an elective course in the following program(s):

- [Agile in Government Master Track](#)
- [Business Analysis and Requirements Management Master Track](#)
- [Data Analytics Certificate Program](#)
- [Project Management Master Track](#)
- [Program Management Certificate Program](#)

## Prerequisites

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### Mandatory

Participants should have a basic understanding of Excel.

### Suggested

- [Introduction to Analytics](#)
- [Analytics Boot Camp](#)

## Pework

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There is no pework required for this course.

## Requirements for Successful Completion

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Full (100%) attendance is expected and required. Successful completion of the course depends on full class attendance and active participation in individual and group exercises.

## Follow-On Resources

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- [Introduction to Analytics](#)
- [Briefing and Presentation Skills](#)
- [Evaluating and Presenting Analysis Results](#)
- [Data Storytelling for the Federal Government: Numbers to Narratives](#)

# Introduction to Data Visualization

- [Leveraging Artificial Intelligence for Federal Decision-Making](#)

# Introduction to Data Visualization

## Ready to Enroll?



See the most recent course information and scheduled classes at this link:  
<https://www.managementconcepts.com/course/id/4606>



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