

Federal Analytics Simulation: A Data Quest

Course Number: 4625

Length: 5 Days

Primary Delivery Method: Instructor-led online (synchronous)

Alternative Delivery Methods: Instructor-led live classroom

Course Description

Hone your data analytic skills by applying them to a scenario-based Federal case study. Start with the raw data files of a fictional project at a Federal agency and follow a narrative arc that participants reveal as they progress through the data. Learn to transform data into actionable decisions that support the agency's mission, to identify analytic objectives, collect and prepare data, select analytical techniques, and interpret results. This creative training emphasizes real-world application, critical thinking, and effective communication of findings. By the end, you'll be equipped to make data-driven decisions and present actionable recommendations to meet organizational goals.

Intended Audience

This course is intended for anyone who has developed a robust set of data analytic skills who wishes to practice them within a real-world case study.

Client-Provided Facility Requirements

- 1 computer per student with Internet and Microsoft Office 2016 including Microsoft Excel with unrestricted rights to install the Analysis Toolpak or with Analysis Toolpak already installed on each computer
- Internet required for instructor computer
- Shared folders for students to share work products and access presentations/files from the instructor computer

Course Learning Objectives

- Identify analytic objectives and criteria that meet an organization's goals
- Collect, integrate, and prepare data to be used in the analyses
- Select the techniques to be used in the analyses
- Decide what additional data is needed to be acquired to support the analyses
- Analyze and interpret the data
- Evaluate the results of the analysis and whether they achieve the analytic objectives
- Plan a presentation, communicate the results of the analysis, and make recommendations

Course Additional Features

- Producer Support
- Technical Support Team
- Extended Learning Bursts
- Dedicated In-House Accessibility/Section 508 Compliance

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- Student Resource Guides

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

Course Schedule

DAY ONE	
MORNING	Lesson 1: Introduction
LUNCH	
AFTERNOON	Lesson 2: The Case Study, Step 1: Financial Files

DAY TWO	
MORNING	Lesson 2: The Case Study, Step 1: Financial Files, continued
LUNCH	
AFTERNOON	Lesson 2: The Case Study, Step 2: Blood Test

DAY THREE	
MORNING	Lesson 2: The Case Study, Step 3: Lab Production Runs and Server Investigation
LUNCH	
AFTERNOON	Lesson 2: The Case Study, Step 4: Checking Human Resources Data

DAY FOUR	
MORNING	Lesson 2: The Case Study, Step 4: Checking Human Resources Data, continued
	Lesson 2: The Case Study, Step 5: Bank Records
LUNCH	
AFTERNOON	Lesson 2: The Case Study, Step 5: Bank Records, continued

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	Lesson 3: Communicate and Deploy the Results, Setting Expectations
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DAY FIVE

MORNING	Lesson 3: Communicate and Deploy the Results, Preparation of Presentations
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LUNCH	
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AFTERNOON	Lesson 3: Communicate and Deploy the Results, Presenting
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Learning Methods

Lecture, discussion, case study, action planning

Credits

National Association of State Boards of Accountancy (NASBA)

- Field of Study: Statistics
- Level: Advanced
- CPEs: 40

Professional Development Units (PDUs)

- Credits: 35

Continuous Learning Points (CLPs)

- Credits: 40

Management Concepts Certificate Program Relationship

This is a core course in the following program(s):

- [Data Analytics Certificate Program](#)

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

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

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Prerequisites

Mandatory

- [Analytics Boot Camp](#)
- [Data Analysis and Modeling Techniques](#)

Suggested

- [Data Collection Techniques](#)
- [Evaluating and Presenting Analysis Results](#)
- [Introduction to Data Visualization](#)

Pework

There is no prework required for this course.

Requirements for Successful Completion

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

- [Leveraging Artificial Intelligence for Federal Decision-Making](#)
- [Data Storytelling for the Federal Government: Numbers to Narratives](#)
- [Introduction to Evidence-Based Hypothesis Building](#)
- [Federal Data Ethics Framework](#)

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Ready to Enroll?



See the most recent course information and scheduled classes at this link:
<https://www.managementconcepts.com/course/id/4625>



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