

Optimization and Simulation Techniques for Accounting and Finance Professionals

Analysts have often used sensitivity analyses to study the effect of changing one variable at a time in order to study and understand the financial impact of these single changes. Simulation and optimization techniques, however, enable the analyst to incorporate many variables for financial problem solving. These new and powerful tools are indispensable for tackling complex financial situations. In this course, you will conduct simulation and optimization studies confidently without getting lost in the abstract realm of statistical analysis. Hands-on analyses are performed using PCs and familiar spreadsheet techniques.

OBJECTIVES

Upon completion of this course, participants will be able to:

- Explore both rudimentary and complex business situations
- Identify how simulation replicates real life financial processes by quantifying risk and uncertainty
- Develop spreadsheet templates for Monte Carlo simulation
- Explore financial case studies that involve risk-based investment decisions
- Define financial solutions in terms of the 95 percent confidence interval
- Optimization models profitability and effective resource utilization
- Optimization models for asset allocation problems

HIGHLIGHTS

- Hands-on exercises with PCs and familiar spreadsheet technology
- Case studies that explore different business situations
- Software is provided to facilitate the learning experience

DESIGNED FOR

Accounting analysts, auditors, CFOs, Controllers, financial managers and operations managers



RECOMMENDED CPE:

8

PREREQUISITE:

Professional degree or equivalent along with a basic knowledge of PCs and spreadsheet technology

EVENT ID:

AF-150

COURSE LEVEL:

Basic

FIELD OF STUDY:

Finance

BLI CURRICULUM:

Business Management, Technical Expertise

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VENDOR:

Business Learning Institute, Inc.



For information regarding on-site training, email aicpalearning@aicpa.org, call **800.634.6780 (Option 1)**, or visit aicpalearning.org.