

Advanced Excel

Using Analytical Tools

DESCRIPTION/COURSE OBJECTIVES

This course focuses exclusively using Excel's various analytical tools. Upon successful completion of this course, participants will be able to:

1. Understand the purpose of What-If analysis and how it is used
2. Use the three kinds of What-If Analysis tools that come with Excel
3. Use the Analysis ToolPak add-in for more advanced models

COURSE INSTRUCTOR

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Course handouts are available at

https://mtateresearch.com/computer_courses_supplemental_resources

COURSE OUTLINE

The course will cover the following topics:

Introduction to What-If Analysis

- An overview of What-If Analysis and how it is used
- The three basic kinds of What-If Analysis tools
- Scenarios
- Goal Seek
- Data Tables

Using Scenarios

- An overview of scenarios and their purpose
- Create scenarios
- Create a Scenario Summary Report

Using Goal Seek

- An overview of Goal Seek and its purpose
- Use Goal Seek to find out how to get a desired result

Using Data Tables

- An overview of data tables and their purpose
- Create a one-variable data table
- Add a formula to a one-variable data table
- Create a two-variable data table
- Speed up calculation on a worksheet that contains data tables

Using the Analysis ToolPak Add-in Tools

- An overview of the Analysis ToolPak Add-in Tools
 - Solver
 - Regression analysis tool
- Define and solve a problem using Solver