

Excel 2013 Data Analysis, Part 1: Finance & Stats

page 1

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Prerequisites: This course assumes some familiarity with Microsoft Excel. This course is part of 3 courses; Excel 2013 Data Analysis: Finance & Stats; Excel 2013 Data Analysis: Sorting and Techniques; and Excel 2013 Data Analysis: Forecast and PivotTable. Please be sure to view the courses in order if you are new to the material.

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Course description: Master data analysis with Excel 2013 in this three part learning course. Excel 2013 is Microsoft's industry leading spreadsheet application that allows you to organize, visualize and calculate your data. Lesson coverage includes building formulas and adding functions and conditions to a formula, analyzing financial data to determine loan payments and interest rates, analyzing statistical data and calculating the variance and standard deviation, and sorting and filtering data. You'll also see an overview of analyzing data with Goal Seek and Scenarios, forecasting data to reveal trends, working with the Analysis ToolPack, and building PivotTables.

Course outline:

Formulas for Data Analysis

- Introduction
- Building Formulas
- Move & Copy Formulas
- Array Formulas
- Add a Function to a Formula
- Summary

- Variance & Standard Deviation
- Finding the Correlation
- Summary

Conditionals & Date-Time

- Introduction
- Conditional Formulas
- Example Formulas
- Date Calculations
- Time Calculations
- Summary

Analyzing Financial Data

- Introduction
- Calculate Future Values
- Calculate Present Value
- Loan Payment Analysis
- Calculate Principal & Interest
- Calculate Required Interest
- Internal Rate of Return
- Summary

Analyzing Statistical Data

- Introduction
- Calculating an Average
- Median & Mode
- Finding the Rank
- Determine the Nth Value
- Grouped Frequency Distribution