

Excel 2013 Advanced Stats, Part 1: Sample for Mean

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Prerequisites: This course assumes some familiarity with Microsoft Excel. This course is part of 4 courses; Excel 2013 Advanced Stats: Sample for Mean; Excel 2013 Advanced Stats: F-Test and ANOVA; Excel 2013 Advanced Stats: Trend and Two-Factor; and Excel 2013 Advanced Stats: Regression. Please be sure to view the courses in order if you are new to the material.

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Course description: Master statistical analysis with Excel 2013 with this four part learning series of courses . Big data is big business, and many professionals are turning to Excel's data analysis tools to help them make sense of their organizational data. Now, you can learn the ins and outs of statistical analysis with Excel – from importing data to utilizing Pivot Tables – with Statistical Analysis with Excel 2013 Advanced Skills. Understand Excel's data analysis capabilities and how they can be applied in your organization. Work with data, normal distributions, hypothesis testing, variances, rank, and percentiles. Take advantage of formulas, Pivot Tables, dashboards, and reporting tools to display your data.

Course outline:

Z-Test Two Sample for Mean

- Introduction
- Fundamental Concepts
- Distribution of Sample Means
- The Mean & Standard Deviation
- Central Limit Theorem
- Z-Test Two Samples Tool
- Summary

T-Test Two Sample for Mean

- Introduction
- How t-Tests Work
- Calculate t Value
- T-Test Limit & Area
- T-Test Function
- T-Test Results Review
- T-Test Data Analysis Tool
- Standard Error
- Summary

T-Test Paired Sample for Mean

- Introduction
- Paired Sample t-Tests
- T-Test Calculation
- T-Test Paired Results Review
- Paired T-Test Analysis Tool
- Summary