Excel 2013 Advanced Stats, Part 3: Trend & Factor

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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 Excels 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 Excels 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:

ANOVA & Trend Analysis
• Introduction
• ANOVA Calculations
• ANOVA Data Analysis Tools
• Trend Analysis Concepts
• Trend Analysis
• Calculating Sum of Squares
• The Final Analysis
• Summary

Two-Factor ANOVA Concepts
• Introduction
• Two Factor ANOVA
• Examine the Hypotheses
• Begin the Analysis
• Sum of Squares
• F-Distribution
• Summary

Two-Factor Data Analysis Tool
• Introduction
• Hypotheses & Results Review
• Two-Factor Data Analysis Tool
• After Two-Factor ANOVA
• Simple Main Effects
• Mode at Calculations
• Time at Calculations
• Plan Comparisons
• Summary