COURSE SYLLABUS

Advanced Analytics & Visualization in Excel

Build dashboards and interactive analyses with Excel. Designed for experienced business teams, this course covers advanced charting, visualization, and predictive analytics without coding.

Group classes (NYC) and onsite training are available for this course. For more information, email corporate@nobledesktop.com or visit: https://training-nyc.com/courses/excel-visualization



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Course Outline

Day 1: Excel Interactivity and Dashboards

Advanced Lookup and Array Formulas

Refresher on lookup functions and taking them to the next level into array formulas for faster calculation with larger datasets

Excel Tables and Structured References

Name tables for easier usage and create dynamic ranges for scale

Error Checking and Prevention

Learn to deal with errors in your workbooks to speed up your workbooks

Building Interactive Elements

Use scroll bars and checkboxes to create interactivity in your workbook without using VBA, the foundation of dashboards

Dashboards – Visualizing Data for Decision Makers

Using the above knowledge, learn to create dashboards that you can take with you to your job to enable quicker decision-making

Day 2: Analytics Theory and Applications

Data Visualization Principles

In this section, we'll talk about fundamental data visualization principles and how Excel can help us solve business problems

Infographics

Learn how to create infographics in Excel, even if you're not a designer

Advanced Excel Charts – Building Charts Not in Excel's Library

Learn to create charts like heatmaps, control charts for benchmarking, and bullet charts

Exploratory Data Analysis

Use Excel’s native features to answer open-ended questions, find underlying trends, and opportunities in your data

Predictive Analytics – Forecasting Models

Learn to use Excel’s forecasting tool for basic predictive modeling