

# Advanced Analytics & Visualization in Excel Course

Group classes in NYC and on-site training is available for this course.

For more information, email [nyc@careercenters.com](mailto:nyc@careercenters.com) or visit: [careercenters.com/courses/excel-visualization](https://careercenters.com/courses/excel-visualization)



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## Course Outline

### Day 1: Excel Interactivity & Dashboards

#### Advanced Lookup & Array Formulas

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

#### Excel Tables and Structured References

Name tables for easier usage and create dynamic ranges for scale

#### Error Checking & 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 & Applications

#### Data Visualization Principles

In this section, we'll talk about fundamental data visualization principles and how can Excel 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