

Excel Advanced Training



- Data Analysis and Modeling
- Data Management and Manipulation
- Visualization and Presentation
- Advance Skills

Data Analysis and Modeling

Power Pivot

Power Pivot is a powerful tool for data analysis and modeling. You should be able to use Power Pivot to create data models, perform data analysis, and create interactive visualizations.

Statistical Modeling and Forecasting

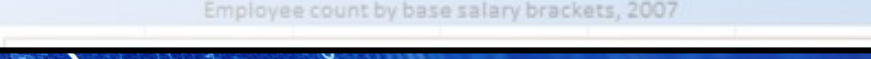
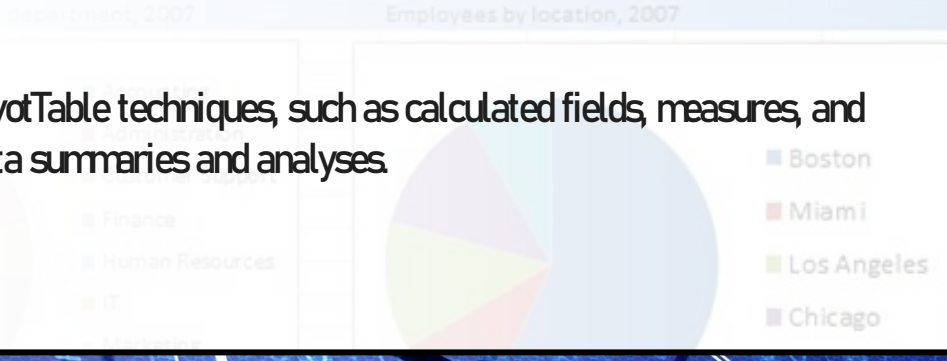
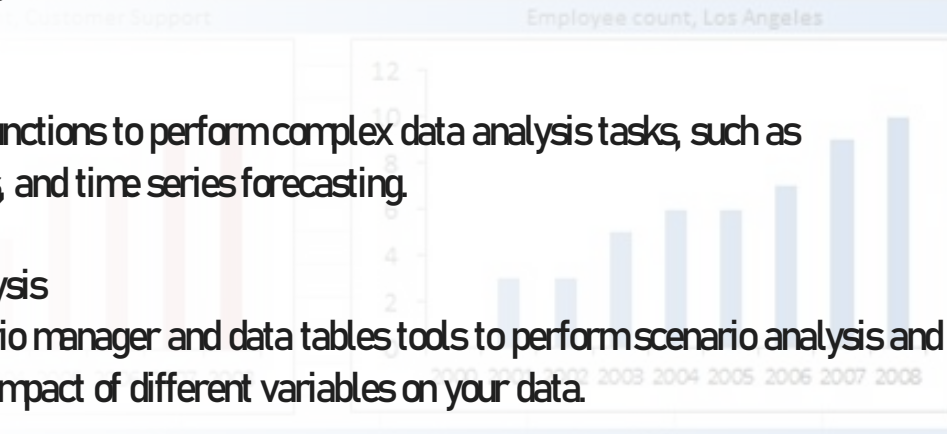
Gain insight to use Excel's statistical functions to perform complex data analysis tasks, such as hypothesis testing, regression analysis, and time series forecasting.

Scenario Analysis and Sensitivity Analysis

Acquire the skills to use Excel's scenario manager and data tables tools to perform scenario analysis and sensitivity analysis to understand the impact of different variables on your data.

Advanced PivotTable Techniques

Become skilled in the use advanced PivotTable techniques, such as calculated fields, measures, and hierarchies, to create sophisticated data summaries and analyses.





Data Management and Manipulation

Power Query

Power Query is a tool for connecting to, transforming, and cleaning data from a variety of sources. You should be able to use Power Query to import, clean, and prepare data for analysis.

Data Validation and Error Handling

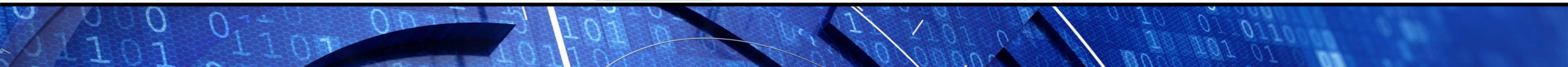
Learn to effectively implement robust data validation rules to ensure data integrity and consistency. You should also be able to use error handling techniques to handle errors gracefully and prevent crashes.

Data Consolidation and Summarization

Gain insight to use techniques like consolidation tables, data consolidation functions, and PivotTables to combine and summarize data from multiple sources.

Data Manipulation with Macros and VBA

Master the ability to use macros and VBA to automate complex data manipulation tasks, such as data cleaning, transformation, and aggregation.



Visualization and Presentation

Advanced Charting Mastery

Learn to create precise visualizations, including waterfall charts and Gantt charts, to effectively convey complex data.

Dynamic Dashboards with Power Tools

Dive into interactive dashboards using Power BI and Power Pivot, designing dynamic reports for seamless data exploration.

Compelling Data Storytelling

Master concise data storytelling through compelling narratives, enhancing communication via impactful visualizations.

Efficient Data Presentation

Develop tailored presentation skills for data professionals, seamlessly integrating advanced charts for maximum impact.

Visual Design for Excel Charts

Apply visual design principles to create aesthetically pleasing and informative charts, enhancing data comprehension.



Other Advanced Skills

Working with Large Datasets

Learn to efficiently work with large datasets using techniques like Power Pivot, Power Query, and optimized formulas.

Collaboration and Sharing

Understand thoroughly how to effectively collaborate with others on Excel projects using tools like Excel Online and SharePoint.

Excel Security

Comprehend and implement security measures to protect your Excel files and data from unauthorized access or modification.

These advanced Excel skills will allow you to tackle even the most complex data analysis and manipulation challenges and make you a highly sought-after data analyst or spreadsheet expert.

The screenshot displays the Microsoft Excel interface with the following elements:

- Top Ribbon:** Includes tabs for Page Layout, Formulas, Data, Review, View, Developer, Power Pivot, Analyze, Design, Search, Share, and Comments.
- Task Pane:** On the right, the 'PivotTable Fields' task pane is open, showing a list of fields to add to a report: S No., Product, Region, SalesRep (checked), Units, Price, and Sales (checked). Below this, there are sections for 'Drag fields between areas below:' with 'Filters' and 'Columns' sections, and 'Rows' and 'Values' sections. The 'Rows' section contains 'SalesRep' and the 'Values' section contains 'Sum of Sales'.
- Main Worksheet:** The background shows a data table with columns for SalesRep, Units, Price, and Sales. Overlaid on this are three PivotTables. The top one is a PivotTable with 'Row Labels' (listing names like Bruce, John, Peter, Smith, Tony) and 'Sum of Sales' (values like 132330, 108285, etc.). The middle one is a PivotTable with 'Row Labels' (listing regions like East, West) and 'Sum of Sales' (values like 281155, 172060, etc.). The bottom one is a PivotTable with 'Row Labels' (listing products like Snickers, Mars, Bounty, Galaxy, Twix) and 'Sum of Sales' (values like 102785, 84825, etc.). A red text label 'Pivot Tables' with arrows points to these three tables.

Summary

The Advanced Excel Training program equips participants with a versatile skill set, covering Power Pivot for data modeling, statistical analysis, and advanced PivotTable techniques. Participants will master Power Query for data transformation, error handling, and automation through macros and VBA. The course also includes advanced charting, interactive dashboard creation using tools like Power BI, and effective communication of insights. It addresses security measures, styles, templates, and working seamlessly with large datasets. Participants will learn advanced table features, mail merge, and presentation skills, emerging as skilled analysts and Excel experts ready for complex data challenges.

Transform your expertise with Advanced Excel Training, conquering complex data challenges effortlessly.

