



The Modern Excel Finance



Table



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PivotTable



PivotChart



Interactive Dashboards

Data Model

DAX

Power Pivot

Power Query

Power BI

Excel Online



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Finance – The All-Encompassing Skills

A customizable course according to your company's requirements.

Duration

8 hours

Objectives

1. Introduction to Excel in Finance
2. Financial Modeling Foundations
3. Advanced Financial Functions in Excel
4. Financial Reporting and Analysis
5. Budgeting and Forecasting
6. Advanced Financial Modeling
7. Automation and Macros in Finance
8. Real-world Finance Applications and Case Studies

This a completely hand-on lecture! No PowerPoint- students will be practicing on SharePoint and excel throughout the lecture.



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Outline of Excel Finance Course

1. Introduction to Excel in Finance

1.1 Overview of Excel in Finance

- Understanding Excel's role in financial analysis and modeling
- Key features and functions relevant to finance professionals

1.2 Essential Excel Skills for Finance

- Basic Excel functions for financial calculations
- Data organization and formatting best practices

1.3 Excel Shortcuts for Efficiency

- Time-saving keyboard shortcuts for financial tasks
- Navigating Excel efficiently for financial modeling

2. Financial Modeling Foundations

2.1 Introduction to Financial Modeling

- Defining financial modeling and its applications
- Understanding the importance of accurate financial models

2.2 Building a Basic Financial Model

- Constructing a simple income statement and balance sheet
- Linking financial statements for dynamic modeling

2.3 Sensitivity Analysis and Scenario Planning

- Performing sensitivity analysis for variable inputs
- Creating scenarios to assess potential financial outcomes



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3. Advanced Financial Functions in Excel

3.1 Time Value of Money (TVM) Calculations

- Mastering Excel functions for TVM calculations (PV, FV, NPV, IRR)
- Evaluating investment opportunities with Excel

3.2 Statistical Functions for Analysis

- Utilizing advanced financial functions (XNPV, XIRR)
- Analyzing cash flows with irregular periods

3.3 Date and Time Functions

- Using Goal Seek for financial goal optimization
- Applying Solver for complex financial modeling scenarios

4. Financial Reporting and Analysis

4.1 Financial Ratio Analysis

- Calculating key financial ratios in Excel
- Interpreting ratios for financial health assessment

4.2 Variance Analysis and Dashboard Reporting

- Analyzing variances between actual and forecasted financials
- Creating dynamic dashboards for financial reporting

4.3 Data Visualization for Financial Analysis

- Advanced charting techniques for financial data
- Enhancing visualizations for impactful financial presentations

5. Budgeting and Forecasting

5.1 Creating a Budget in Excel

- Building a comprehensive budget model
- Incorporating assumptions and forecasting techniques



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5.2 Forecasting Techniques

- Time-series forecasting using moving averages and exponential smoothing
- Implementing rolling forecasts for dynamic planning

5.3 Advanced Budgeting Strategies

- Beyond static budgets: Rolling, flexible, and zero-based budgeting
- Integrating budgeting with financial modeling

6. Advanced Financial Modeling

6.1 Advanced Scenario Analysis

- Creating advanced scenarios for complex financial modeling
- Assessing risk and uncertainty in financial projections

6.2 Mergers and Acquisitions (M&A) Modeling

- Modeling M&A transactions in Excel
- Analyzing the financial impact of mergers and acquisitions

6.3 Financial Modeling Best Practices

- Excel best practices for efficient and error-free financial modeling
- Documenting and validating financial models

7. Automation and Macros in Finance

7.1 Introduction to Excel Macros

- Basics of recording and running macros in Excel
- Automation opportunities in financial modeling

7.2 Advanced Macro Techniques

- Creating user-defined functions (UDFs) for financial tasks
- Implementing advanced automation with VBA

7.3 Dynamic Dashboards with Power Query

- Developing user-friendly financial applications with Excel
- Integrating financial models with external databases and APIs



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8. Real-world Finance Applications and Case Studies

8.1 Industry-specific Finance Modeling

- Tailoring financial models for industry-specific needs
- Analyzing real-world finance applications

8.2 Financial Modeling for Startups

- Designing financial models for startup valuation and planning
- Addressing unique challenges in startup finance

8.3 Exporting and Sharing Dashboards

- Engaging with finance experts to discuss advanced financial modeling
- Addressing participant questions and providing insights